

RESTRICTED.

The information given in this document
is not to be communicated either directly
or indirectly, to the Press or to any person
not authorized to receive it.

INDEX
TO
AMMUNITION
BULLETINS
No's 1 to 1 INCL.

PRINTED & ISSUED BY
THE CHIEF INSPECTOR OF ARMAMENTS
APRIL 1944.

R4078.

(i)

INDEX

TO

AMMUNITION BULLETINS NOS. 1 TO 39

BRITISH, AMERICAN AND ENEMY AMMUNITION.

(A) BRITISH AMMUNITION

Subject	Page
BATCHING SYSTEM	1
BOMBS	
Aircraft and Mortar	1, 2
CARTRIDGES	
B.L., Q.F.	2 - 4
CHEMICAL STORES	5
DECOYING AGENTS	5
DEMOLITION AND ASSOCIATED STORES (See also under "Explosives")	5
DETONATORS	5
EXPLOSIVES (Miscellaneous)	5
FUZES AND GAINES	5 - 9
GRENADES	9, 10
GENERATORS	
Smoke and Lachrymatory	10, 11
MINES	11
MORTAR AMMUNITION	11, 12
NAVAL AMMUNITION USED IN LAND SERVICE	12, 13
PACKAGES	13 - 15
PHOSPHORUS BURNS	
Treatment	15
PLUGS	
Fuze-hole, etc.	15
PRIMERS	
Q.F. Cartridges	15, 16
PROJECTOR, 2 $\frac{1}{2}$ -INCH.	16
PROJECTOR, INFANTRY, A.T.K.	16

BRITISH AMMUNITION (CONTD.)

Subject	Page
PROPELLANTS	16, 17
PROJECTILES	17 - 19
PYROTECHNIC STORES	19
REPORTS ON AMMUNITION.	19
ROCKET, "U" 3-INCH.	19
ROCKET, "U" 5-INCH.	20
S.A.A.	20, 21
S.B., 3-INCH. GUN.	21
STATION MONOGRAMS.	21
STORAGE AND TRANSPORT OF AMMUNITION.	21, 22
TABLES OF AMMUNITION.	22, 23
TRACERS	23
TUBES	23

(B) AMERICAN AMMUNITION

Subject	Page
AMERICAN TERMS USED IN CONNECTION WITH AMMUNITION AND BRITISH EQUIVALENTS.	24
B.L. AMMUNITION	24
CARTRIDGES, Q.F.	24
CARTRIDGES, IGNITION (MORTAR)	24
FUZES	25
GRENADES	25

(iii)

AMERICAN AMMUNITION (CONTD.)

Subject	Page
INVESTIGATIVE, INVESTIGATIVE (MORAR)	25
MARTINS	25
ALINES	25
MORAR AMMUNITION (Complete rounds)	25, 26
NOMENCLATURE Gun ammunition manufactured in Canada	26
PRIMERS	26
S. A. A.	26

(C) ENEMY AMMUNITION

Subject	Page
GENERAL INVESTIGATION	27
GENERAL	
AIRCRAFT BOMBS	27
DEMOLITION STORMS	28
GRENADES	28
MINES	28
MORAR BOMBS	28
PYROTECHNICS	28
SMALL ARM AMMUNITION	28, 29
GUN AND HOW AMMUNITION	
(a) SHELL AND CARTRIDGES	29, 30
(b) FUSES	30
(c) GAINES	30, 31
(d) PRIMERS	31
(e) TRACERS	31

ENEMY AMMUNITION (CONTD.)

Subject	Page
<u>ITALIAN</u>	
AIRCRAFT BOMBS	31
GRENADES	31
MORTAR BOMBS	31
SMALL ARM AMMUNITION	31
GUN AND HOW. AMMUNITION	
(a) SHELL AND CARTRIDGES	32
(b) FUZZES	32
(c) GALNES	32
(d) FREDERS	32
<u>JAPANESE</u>	
GRENADES	33
MORTAR BOMBS	33
GUN AMMUNITION	33

BCMBS

Incendiary 1 $\frac{1}{4}$ lb. "Obsolescent"

48 1376

29 mm Spigot

Bomb Spigot 29 mm - obsolete.

50 1456

(A) BRITISH AMMUNITION

Bulletin
No. Item

BATCHING SYSTEM

A. A. Ammunition	1	8
Batch Record Sheets	10	97
Details of system	36	869
Distinguishing letters "X" and "Y"	12	119
Duplication of Batch Markings		
2" Mortar, H.E.	30	562
3" Mortar, H.E.	18	220
4.2" Mortar, H.E.	35	834
Q.F. 3.7" Gun, H.E.	24	383
	26	449
Exchange of components.	20	298
Fixed Q.F. and Mortar Amm. assembled in Australia. Batch marking.	25	424
Omission of word "BATCH" on packages.	4	37
Q.F. 40 mm.		
Batch No's containing Bofors	17	203
Cordite	20	293
Marking "BV" for "Batches, various".	19	249
S.A.P. Shot, Mk.I Foil. Re quantity issued unbatched.	19	253
Q.F. 17-pr. Batch labels on certain lots incorrectly completed.	31	612

BOMBS

Aircraft.

A.S., A.P., R.L. (Table)	11	107
Chemical	6	50
F. and G.P.	8	72
Incendiary	6	51
	14	147
S.A.P.	9	82
Demonstration, issue of	33	723
Incendiary, 1½-lb. Mk.I	14	148
Mortar	18	226
Head filling and body charging markings	33	717
Monogram of filling factory markings.	33	713
29 mm. Spigot Mortar.		
H.E.		
14 lb. Mk.I.	22	336
20 lb. Mk.I.	22	337
	23	354
Alternative filling.	28	508
Practice		
14 lb. Mk.I.	22	339
Insertion of tail tube	29	523
Cartridge markings and fairings	24	382
Filling and marking details	37	915
Nomenclature	26	448
Packages	26	447
2" Bomb Thrower.		
Smoke, Mk.I.	14	150
	18	230

2" Mortar

H.E. and Smoke. Details of	4	25
Illuminating, with Parachute, Mk.I	18	229
Smoke, Mk.II	18	228
Signal	18	227
Signal or Illuminating (Table)	14	149
Smoke, Signal and Illuminating - Markings.	33	708
Filling and marking details	37	915
Fuzing	33	711
Packages	4	26
Packing of batches	27	489

3" Mortar

Chemical, Bursting. M. of Charging 9758	22	333
H.E. and Smoke. Details of	4	25
H.E. Mk.III, bearing American markings	36	856
Smoke, 10-lb. Marking "FM" or "CSAM"	33	719
Smoke, observing, 10-lb. Mk.I.	17	201
Star, 10-lb. Mk.I.	17	202
	33	703
Fuzing	19	256
Methods of Filling	20	281
"Obsolete" for use in 3" S.B.	34	765
Packages	4	26
Packing of batches	33	697
Storage	32	639

4.2" Mortar

Chemical, Mk.I	29	540
H.E. Mk.I	29	542
Practice, Bursting, Mk.I.	29	544
	33	725
Practice, Inert, Mk.I.	29	543
Smoke, Mk.I.	29	541
Duplication of Batches	35	834
Rustproofing of guide bands	33	726
Tail units		
Marking	33	721
Securing of	33	714
Tightening with shake proof lock washer	37	899

6" Mortar

Exploders for	17	198
---------------	----	-----

CARTRIDGES

2" Bomb Thrower. Use of Hercules 81 mm. Mortar powder. Mortar (see under "Mortar Ammunition)	24	404
---	----	-----

B.L.

Damp igniters	15	163
Heavy and Super Heavy Artly. Weights, dimensions and packages (Table)	21	312
Marking "AC" discontinued	6	59
Materials for cartridge bags	32	642
Naval equipments in Land Service. Cartridges to Land Service designs (Table)	34	791
Special marking on packages containing charges made up with Cordite M.D. or R.D.B. of 1918 manufacture.	8	74
Unexpended sections of N.H. or F.N.H. howitzer or other cartridges.	25	420
Viscose cloth, use for cartridge bags.	13	130
War time concessions to facilitate inspection, etc.	12	121

2" Mortar

H.E. Duplication of Batch Markings	48	1351
Signal (Single Star Red Mk. 2) Fig. 563		
(" " Green " ")		
(Multi Star Red Mk. 2) Fig. 564		
(" " Green Mk. 2)		
(Multi Star Red and Green Mk.2 Fig. 565		
(" " White " " 566	48	1363
H.E. Markings on Containers	48	1369
Bombs Signal Pintail		
Bombs Signal Pintail Mk. 1	46	1268
Ctges ML Signal Success "Obsolete"	48	1357

3" Mortar

10 lb. Cartridge Restriction	47	1289
H.E. Batches packed in Box B.166A	47	1302
M of F Designs for H.E. and Practice	47	1320
Smoke Special package marking	47	1326
M of F Designs (HE)	48	1385
Smoke BE 10 lbs. Mk. 1	48	1373
3" and 4.2" Filling of.	48	1375
Primary and augmenting cartridge combinations	49	1418
Bomb ML Coloured smoke skytrail BE 3" Mortar		
10-lb Mk.1 - M of F (Fig.600)	50	1476
Bomb ML Coloured smoke BE 3" Mortar 10-lb M of F -		
obsolescent.	50	1477

4.2" Mortar

4.2" and 3" Filling of.	48	1375
ML Smoke BE DS Mk1/1 - Introduction (Fig.599)	50	1475
Operational Markings on packages	51	
<i>Packages. Superseded by Tropical Design</i>	51	1502

CARTRIDGES

ML 2" Mortar. Use in 2" Bomb Thrower	47	1306
140 Grs Ballistite, Mk. 1, SB ML 4.2" Mor Smokeless	47	1319
Wartime concessions.	49	1407
Wartime concessions. (Clearing & lacquering Ctge Cases)	49	1407
Wartime concessions. (Ctge.Cases.Stencilling)	49	1407

B.L.

Wartime concessions. (How.Charge Bags)	49	1407
" " (Gun Charge Bags)	49	1407
" " (Use of Mineral jelly & Dinitro-alpha-naphthol - dispensed with)	49	1407
" " (Use of paper-non-absorbent for wrapping - dispensed with)	49	1407

6" 26 Howr
Table

40 1018

CARTRIDGES BL4.5" Gun

Cylindrical type

47 1297

5.5" Gun

12 lb 9 oz Cord N/S 164-048 Packing

41 1037

9 lb 13 oz " " " Package

40 1001

Cylindrical Type

47 1296

7.2" How.

Cord No. 45 Revised nominal ch. weights

40 1000

19-lbs.12-ozs.Cordite WMT 316-100 Mk.1-Obsolete

50 1450

9.2" How.Mk. 10, 10^V, 10^{*} and 15 Guns - Extension of use.

47 1295

Q.F.

Clips Ctges No. 42 and 43.

44 1196

War time concessions. (Fixed & Separate)

49 1407

Wartime concessions. (3.7-in Gun)

49 1407

Carrier Amn SB ML 4.2" Mortar No. 12 Mk. 1

46 1278

95 mm

Tk. How., Cordite W.T., or W.M.T. Reduced Charge

HE Shell Mk.1.A - Obsolete

50 1471

Shell QF Smoke Emission Tk.How Mk.1-Obsolescent

50 1469

40 mm.

Bofors Amn - Extension of use to Air Service

42 1114

Standard propellant, Land Service.

43 1184

QF77 mm.SV NH. APDS Shot - M of F design approved

49 1413

75 mm.

Implements Amn.

42 1106

M2 and M3 Decoppering Charge

43 1193

95 mm Tk Howr Reduced Charge HE Shell

48 1384

4.5" Gun.
Table

38 947

5.5" Gun
Table

38 948

N.C.T.025 and 027. Charge weights

18 236

For 80-lb. shell. Marking.

35 818

4-lb 42-oz. Cordite N.Q.050. Charge 2.

37 907

Details of two cartridges

21 320

For 80 lb. H.E. shell (Mk.III Gun) M. of F. DD/L/16407 and 14715

34 789

12-lb.9-oz. N/S.164-048. (Mk.III Gun)

35 832

7.2" How.
Table

34 793

35 810

37 901

23-lb. N.H.055 Mk.I.

26 456

13-lb.11-oz. Cordite N.Q.45 Mk.I. Charge 3

37 900

9.2" How.

Cordite RDN/AQ.

19 260

Identification of cartridge for 315-lb. shell and cartridge package.

8 77

Mk.II. Suitability for use with 290-lb. and 315-lb. shell.

28 507

Q.F.

Affected by rust, treatment of

4 35

Adapter Mk.VII and Metal igniter Mk.II.

24 405

Cases

Discolouration

9 85

Reduction of stencilling

33 686

Steel, stencilling of

35 805

Special marking when charge is made up with Cordite M.D.

8 74

or R.D.B. of 1918 manufacture

17 204

Clips, Ctge.

Details of

34 792

35 806

No.37. Extension of use.

37 903

Gauging

9 89

Naval equipments in Land Service. Cartridges to Land Service designs (Table)

34 791

Use of cellophane adhesive tape for propellant charges.

30 587

War time concessions to facilitate inspection, etc.

12 121

37 mm.

For Bofors gun.

8 81

Cordite charges.

17 199

40 mm.

Table of complete rounds

33 733

Batch numbers containing Bofors cordite.

20 293

Marking of rounds fitted with self destroying tracer.

32 659

M. of F. designs approved.

18 214

Reduction of charge.

8 73

9 92

13 134

Shot, anti-tank.

12 120

75 mm.

Details of

13 137

Packing of

29 553

Table of complete rounds

29 552

Use of Primer, perc. 49 gr. Mk.I for cartridge filled FNH.016.

28 515

Q.F. (Contd.)

2-Pr.

Table of complete rounds	32	679
Details in amplification of above	33	694
Mks. IX to X Guns.		
H.V. charge and markings	24	398
H.V., H.E. Mk. III shell. Charge details	36	867
Marking of S.V. cartridges and packages	31	614
S.V. for Mk. XB gun. Charge 1-lb. 11-dr. Cordite W.M.T. 124-040.	39	978
Sub-Calibre. Use of No. 27 primer.	34	784

6-Pr. 6-cwt.

Mk. III Gun. Charge 3-lb. 2-oz. 4-dr. F.N.H./P. 038.	34	788
--	----	-----

6-Pr. 7-cwt.

Table of complete rounds.	32	680
	34	760
A.P. Shot, complete round.	25	430
Decoppering rounds.	34	751
Increase of tin or lead foil	39	974
Identification marking when fitted with Shell H.E. 6-pr.	38	929
10-cwt. Mk. XT.		

12-Pr. 12-cwt.

Lids of plastic material	32	658
--------------------------	----	-----

17-Pr.

Table of complete rounds	32	681
Batch labels on certain lots incorrectly completed.	31	612
Charge 7-lb. 2-oz. N.H. 050.	35	822
Charge 6-lb. 4-oz. Cordite W.M.T. 316-100	35	824
Increase of tinfoil for full charge	32	662
	33	736
Practice and Piercing rounds. Details of	30	589

25-Pr.

Table of cartridges	34	794
Composite charge, Cordite W.M. and N.H. powder	24	385
Above cancelled	26	439
Adoption in emergency.	29	551
Composite charge, NH/FNH powder.		
Markings on cartridge cases and packages.	31	597
Supercharge Increment, 5-oz. Cordite W.M. 061 for India.	38	924
Supercharge Increment, 5½-oz. Packing.	39	969

3" Howitzer.

M. of F. designs for propellant charge (for H.E. and Smoke rounds)	18	235
--	----	-----

3.7" Gun.

Duplication of batches	24	383
	26	449
Drill cartridge, Mks. I - III guns.	36	851
Marking of packages containing cartridges filled cordite N/S.	27	482
FNH/P. 049, 9-lb. 2-dr. Mks. I - III guns (for filling in Canada).	35	831
N.C.T. 050. Charge Weights.	18	237
Substitution of No. 1 Mk. II primer for No. 9 or 11.	11	108

4.5" Gun.

Table of complete rounds.	33	734
Deployment of rounds.	2	15
	3	22
Full charge. Cordite RDN/A Q. and RDN/F.Q. 198-054 for use with projectiles without external tracers.	19	259
Ref. certain cartridge cases issued with 3 holes drilled in base.	15	157
Special marking of cartridges containing American 1918 N.C.T. 065.	15	161
Substitution of No. 1 Mk. II primer for No. 9 or 11.	11	108

Q.F. (Contd.)

2 R

Shell QF HE R.P. HV MKRT : M of F Design DPK/18747. Obsolescent 51 1200

6-Pr. 7-cwt.

Extension of Use to Air Service.	42	1087
AP Shot Tracer and Igniter No. 14	42	1102
APCBC Package Marking	43	1145
Use of No. 34 Primer	44	1179
Extension of use to Air Service	44	
Ctge Cases : Of RL Manufacture.	48	1348
" With DS Projectiles. (Over page).	48	1370

6-Pr. 10-cwt.

Packages	40	1004
Packages	41	1042

17-Pr.

Implement, Amn. for.	41	1071
Cord WM.017 Red. charge	43	1133
NH.055 7 lbs. 11 ozs. 8 drs.	44	1200

25-pr.

Intermediate Charge increment Ch.H Mk.1 NQ/R	40	1016
2 lbs. 1 oz. 12 drs. NH.012 and FNH.023	40	996
Boxes Ctges C.267 "Obsolescent"		
Cord WM.017 Intermediate Charge increment	42	1089
Super increment Charge 4½ ozs. Cord WM.061	43	1150
Intermediate Charge Increment (for India)		
Cordite WM.017	46	1273
Ctge - Temporary use of No.1 Primer plus Igniter	47	1293
Super Charge Increment - Cordite WM	48	1350
Use of No. 1 Primer discontinued.	48	1379
Boxes cartridge QF 25pdr C206 Mk2 & 3, & C314	49	1432
(See over page) Mk1 obsolescent		

3.7" Gun.

Cord No. 45 Red. charge	43	1134
Drill Ctges Mk. 1 to 3 "Obsolescent"	44	1202
Incorrect design No.	44	1178
Duplication of Batch Markings	48	1371
Ctges. QF. (Wartime concessions)	49	1407
Wartime concessions.(How.Ctges. in Cylinders No. 239, Mk.3)	49	1407
(See over page)		

4.5" Gun.

Red. charge NH.033	44	1204
--------------------	----	------

2.25-in Mk2 Gun filled 12-lb 12-oz cordite N/S164-048	49	1426
Mks 3&4 - Design approved		

3" Howitzer

Ammunition QF 3in Howitzer - Obsolescent	50	1460
" " " " " " Obsolete.	51	1512

Containers Amn ML 4.2" Mor No.253 Mk.1	45	1225
" Cartridge No. 6 Mk.3 (for QF 40 mm)	45	1226
" " Ho.42 Mk.2 (for QF 6-pr)	45	1224
" " No. 207 Mk.2 (for BL 5.5 or 4.5)	47	1311
" " No. 223 Mk.2 (for 6-pr 7 cwt)	47	1310
" " No. 239 Mk.1 (" " " ")	47	1304
" " No. 237 Mk.2 (for 17-pr APDS)	47	1312
" " No. 257 Mk.1 (for BL 4.5" CH.3)	47	1317

Centre of Gravity Marking Super Heavy Amn	45	1232
Conversion of US Cartridges for decoppering, Package Marking.	47	1294

6-pr.7-cwt.

S.V.- NH, APDS Shot/T Mk.1) Obsolete	50	1467
Cordite W.M.T. APDS Shot/T Mk.2)			

25-pr.

Cups, leatherboard.

Wartime concessions (Chemical Tests waived)	49	1407
---	----	------

3.7" Gun.

Lids, glazedboard. 3.7" How.

Wartime concessions. (Chemical Tests waived.	49	1407
--	----	------

3" 20 cwt Gun

Amn QF 3" 20 cwt gun - obsolete.	50	1448
----------------------------------	----	------

Ctges QF.

5.25 Mk. II Alternative package.	44	1197
5.25" Mk.2 Gun)	50	1464
3.7" Mk.6 Gun) Foil		

DEMOLITION AND ASSOCIATED STORES

Charge, demol., No.3 15 lbs. Mk.1 : Marking and Alternate fillings	41	1059
Fuze Instant. Reel Box Package	41	1063
Igniters Electric No. 88 Mk. 1	43	1146
" No. 90 Mk. 1	43	1147
Igniters Electric No. 84	44	1180
Bangalore Torpedo 2-in Mk.1 - obsolescent and Mk.2. obsolete	49	1415
Bombs Demolition No.1 40-lb Mk.1 - obsolete	49	1422
Demolition - Safety in	50	1447

DETONATORS.

Detonator No. 27 - Packages.	45	1239
Detonators No 83 Mk.2.	49	1427
Detonators No.98 Mk1 obsolete	49	1424
Detonators No.36M Grenade: Mk.2) Obsolete 4 secs delay Mk.5)	50	1449
Ejector, Shell contents No. 2 Mk.1 Marking	45	1227

Explosive Labels	40	1013
Slabs demolition CE/TMT Group Classification.	47	1291
HE Fillings based on RDX	48	1374

Float Smoke 50 lbs Mks. 1 and 2	46	1256
Fraction packing of boxes.	48	1359
Boxes Explosives M328 Mk1 - Design approved	49	1405

Fuzes and Gains

Covers 2" T & P No.14 Mk. II - New Securing Band.	41	1060
Fuzes, Packing of.	41	1069

CHEMICAL STORES

Bottles, Stone, screw stoppered, Chemical, 1 Pint.	17	207
Obsolescent stores	32	660
Training mixtures	31	621
Transport and Storage.	8	78

DECOPPERING AGENTS

Use of lead foil as alternative to tin foil.	32	636
--	----	-----

DEMOLITION AND ASSOCIATED STORES

(See also under "EXPLOSIVES")

Accessories	13	133
Bangalore Torpedo, 2-in. Mk.I.	28	511
	31	629
Charge, Demolition, No.3, 45-lb. Mk.I.	38	932
Depth Charges, issued to Land Service for demolition purposes.	13	135
Fuze, safety, No.20.	39	975
Fuze Instantaneous, Detonating, Cordtex Mk.IV. Marking of Packages.	30	582
Primer, 1 cm. Mk.I.	33	705
Slabs		
C.E./T.N.T. Mk.I	36	845
" II and uses of Mk.I and II.	38	939
Package.	34	756
G.C.1-lb. and Primer, Field, 1-oz. Dummy.	37	891
T.N.T. Mk.I.	6	54
Switches, Nos.1 to 11.	38	934

DETONATORS

Electric and non-electric. Use with G.C. and C.E. primers.	16	180
Nomenclature - for fuzes and gaines	35	819
No.66 Mk.II. Use in Infantry Projector A/T Bombs.	38	922
No.78 Mk.I. Details.	38	923
No.83 Mk.I (previously known as Igniter, Special, No.1 Mk.I)	39	968
War time concessions to facilitate supply, etc.	28	514

EXPLOSIVES (Miscellaneous)

Ammon. Gelignites. Heat Test.	17	194
Cheddite	13	127
Gelignite		
Service life	19	254
Inspection and testing	22	344
	24	390
Nobels explosive		
No.704B and No.831	23	365
No.808	18	223
Pentolite, Nomenclature.	35	817
Plastic explosives. Instructions for inspection.	25	418
	27	473
R.D.X.	6	57
Wet Guncotton slabs, loss of power	17	196

FUZES AND GAINES

General

Covers, fuze		
Nos.5 and 6	32	643
	36	846
Loose covers	10	101
Testing for tightness (No.199 and 221 fuzes)	3	21

FUZES AND GAINES (Contd.)

G.E. Pellets, varnishing	32	653
Drill fuzes, sentencing of	2	12
Fuze setting machine,		
No.6, Test for accuracy	9	83
Correct position of time rings before setting	9	90
Fuzes, various, Obsolete or Obsolescent	38	926
	39	979
Fuze washers	16	182
	23	355
	28	502
Lacquering of certain components discontinued	32	645
Magazines, fuze. Use of P.E.T.N./Wax as a filling.	28	501
Marking of fuze particulars on amm. boxes.	10	98
Nomenclature of detonators for fuzes and gaines.	35	819
Pentolite for pellets	32	644
Rustproofing, fuzes and gaines	32	682
Substitutes for R.D. Cement No.1.	30	581
Table of fuzes and equipments with which used	19	269
Use of luting on fuze threads, etc.	6	53
Waterproofing		
Time and T. & P. fuzes	4	36
	10	96
	26	243
Time, mechanical, fuzes	30	570
Weight marking of certain fuzes	15	160
<u>Fuzes</u>		
Aircraft, nomenclature	21	306
Electric, No.F.53 Mk.I.	22	325
Mine, Contact, A/T.		
No.1 Mk.I. Removal of filled magazine to be carried out under precautions.	18	245
No.2, Mk.I	5	42
No.3, Mk.I, II and III		
Difference from No.2	9	84
Breaking of shearing wire	10	102
Magazine filling	37	921
Position of safety pin and shearing wire (ref. Item 84)	29	524
New type safety pin	34	785
Waterproofing	35	807
<u>No.24/31 R.Y.G. Percn. Detonating</u>		
Mk.I	23	358
Use of R.D.1177	30	567
Package for	32	661
<u>No.106E (non-lead free)</u>	15	158
Use of	20	288
<u>No.115E Percn. D.A.</u>		
Re-introduction	15	164
Weight marking	20	283
<u>No.117 Percn. D.A.</u>		
Details	36	880
Use discontinued in Tank equipments	21	307
Striker cover embossed in lieu of a warning label	33	701
Mk.VIII	38	943
<u>No.117C Percn. D.A.</u>		
Details	36	879
Marking	18	219

FUZES & GAINES (GENERAL)

Fuze Setting Errors AA Amn	43	1135
" Assembly of fuze covers	48	1364

Fuze various "Obsolescent"	43	1137
----------------------------	----	------

Fuzes

T & P and Time and DA. Use of SR.227.A fuze powder	43	1151
--	----	------

Mine Contact No.3. Fitting of solid top Plate	42	1105
---	----	------

No.117 Percn. D.A.
Mk.3.A. - Obsolescent

50	1465
----	------

Fuzes DA 119		
Mk. II	41	1044
No. 119B Mk. IV	41	1053
No. 119B Addition of Striker Spring	42	1104
No. 119 and 119B - Modification.	43	1143
DA & P. 119	47	1316
" 119 & 119B. Rejection of Zinc Alloy bodies.	48	1354
" " " " Mks. 2 and 8.	48	1378
Fuze Perch DA 151 and 152		
151 - Modification to permit Air Dropping	41	1058
152 - " " " " "	43	1138
Nos. 151 and 152 - "Obsolescent".	45	1243
No. 162 - Modification.	46	1271
" " - Bulk packing.	46	1272
<u>No. 183 Time.</u>		
Obsolete	50	1461
<u>No. 199 Time.</u>		
Proof.	50	1459
<u>No. 206 Time.</u>		
No. 206 and 211 : Extension of use.	48	1347
<u>No. 207 Time</u>		
Drill	41	1045
" Plastic Caps Obsolescent	47	1318
<u>No. 208 Time</u>		
Drill	41	1045
" Mk. 1 Plastic Caps Obsolescent	47	1318
Mk. 5 - Introduction	50	1468
Mk 6 - <i>do</i>	51	1505
Time 214 : Use in 3.7" Mk. 1-3 Guns.	44	1185
T & P No. 222. All Marks, Markings to indicate variations in CMT's.	46	1265
T & P No. 222B. - modification	49	1400

Fuzes (Contd.)

No.119 D.A. and Percn.

Details	36	878
Mk.II distinctive marking	9	88
Letter 'B' after number when fitted weaker detent spring	29	549
Lots restricted in use	27	485
Label L.508 abolished	29	550
Striker cover embossed in lieu of warning label	33	701
Use discontinued in Q.F. 5.25" gun.	39	958

No.151 and 152

Modifications	32	683
---------------	----	-----

No.158 and 158A Percn., base, large.

Details	29	537
---------	----	-----

No.159 Percn., base, large

Details	19	263
---------	----	-----

No.188 Time

Obsolete	37	892
----------	----	-----

No.198 Time, Mk.II

Details	29	533
---------	----	-----

No.199 Time

Fuze factor correction marking	37	894
Janned time rings	8	76
Modified magazine ring	18	217
Proof of	7	62
Use of automatic fuze setters	11	109

No.206, Time

Mk.II, Details.	29	534
-----------------	----	-----

No.207 Time

Drill	37	909
Mk.V. Muzzle safety device	29	548
Nose caps, plastic	21	308
Precautions during assembly into complete rounds	38	940

No.208 Time

Drill	37	909
Mk.I. Details	21	302
Muzzle safety device	29	548
Nose caps, plastic	21	308
Precautions during assembly into complete rounds.	38	940

No.209 Time

Setting	10	100
	13	136

No.210 Time

Mk.I. Details	23	357
---------------	----	-----

No.221 Time and Percn.

Letter 'B' after number when fitted weaker detent spring	29	549
Marking of fuzes without percussion mechanism	28	503
Marking to indicate improved percussion action.	30	573
Packing	26	443
	34	781

No.222 Time and Percn.

Mk.I	20	295
Letter 'B' after number when fitted weaker detent spring	29	549

Fuzes (Contd.)

No. 225 Time and Percn.
Mk. I

30 568

No. 231 Percn. D.A.

Letter 'B' after number when fitted weaker detent spring.
Removal of body side plate

29 549
37 908

No. 231B Percn. Mk. I^{XX} and III
Modifications to avoid blinds

30 585

No. 244 Percn. D.A.

Mk. I
Mks. II and III
Key No. 124.

21 304
32 654
35 816

No. 245 Percn.
Mk. I

22 343

No. 247 Percn.

Mk. I. Nomenclature
Difficulty in removing safety caps
Distinguishing marking
Extension of use

28 5
30 514
39 963
33 693
34 758
32 646
39 964

Obsolete for 3" S.B.
Mk. II

No. 250 D.A.

Mk. I Obsolete. Mk. II Obsolescent

36 875
37 897

No. 251 Percn. D.A.

Modification.

18 215

No. 255 Percn. D.A.

Mk. I

34 772

No. 270 Percn. base, large.

Details

19 2

No. 283 Percn., base.

Mk. I
Mk. II

22 338
32 651

No. 284 Percn., base.

Mk. I

32 657

No. 345 and 345A Percn., base, large

Details

29 538

No. 346 Percn., base, large

Details

19 263

No. 3600 Percn. D.A.

Mk. I

29 535

No. 400 Time

Details

29 536

No. 425 Percn.

Mk. I

30 580

No. 479A Percn., base, large.

Mk. I

24 387

FUZES (CONTD.)No. 223 T & P

Use with QF 3.7" Mk. I to III Guns	43	1153
Marking of FFC on fuze covers	47	1313

Fuze 232 Percn : Modification.	43	1143
Fuzes percussion No.232 Mk.IM - obsolescent	49	1411

<u>No. 244 Percn DA Mks 1 to 5</u>	47	1290
Change of detonator, to be 257 when filled	40	1015
No. 244 and 257 : To be fired with cap on.	45	1237

<u>No. 245 Percn Mk. 1A</u>	46	1263
-----------------------------	----	------

<u>No. 247 Percn</u> <u>Mk. II (Fig. 425)</u>	41	1064
--	----	------

<u>No. 270 Mk. 1 "Obsolescent"</u>	48	1383
------------------------------------	----	------

<u>No. 289. "Obsolescent".</u>	45	1236
--------------------------------	----	------

<u>No. 291 Percn Base Mk. 1</u>	43	1148
---------------------------------	----	------

No. 425 Percn. "Obsolete"	47	1309
---------------------------	----	------

FUZES (CONTD.)No. 725 Percn., D.A.
Mk. 1 - Obsolete

50 1463

Time, 600, 610 and 620.

48 1372

Weight Marking

46 1264

GRENADES

Number constituting a filled Lot.

40 1050

Striker Mechanism No. 2 Mk. 1 and No. 3 Mk. 1

44 1186

Striker mechanism No. 2 Mk. 1 and No. 3 Mk. 1 obsolescent

49 1403

No. 36M : Mark of Detonator.

45 1220

Drill No. 36M Mk. 2

45 1222

Rifle No. 63 Smoke Mk. I and Mk. I.Z. - obsolete

49 1425

Hand/Rifle No. 92 Mk. 1--Design approved (Figs. 597 & 598)

50 1474

Smoke WP Rifle No. 87 Mk. 1 (Fig. 596)

50 1473

No. 68 Rifle A/T Marking after rectification.

40 1003

" " " " "Obsolete"

48 1358

Tail Fuzes Rifle Grenade, Empty, No. 2 Mk. 1, No. 3 Mk. 1,

No. 4 Mk. 1 and No. 5 Mk. 1 - Design approved.

50 1451

Hand No. 69.

obsolete -

51 1477

Hand No. 73 AT MK. 1 - obsolete

49 1434

" No. 74 AT Mk. 1 - obsolete

49 1398

" No. 75 AT Mk. 1 - obsolete

49 1435

" No. 75 AT Mk. 3 - obsolete

49 1427

" No. 77 FM MK. 2 - obsolete

49 1429

No. 70 Hand

48 1382

No. 79 Smoke Mk. 1 - obsolete

49 1421

No. 82 Mk. 1 - obsolescent

49 1410

No. 74 Hand Mk. 2 - Obsolete.

50 1455

Fuzes (Contd.)

<u>No.480 Percn., base, large.</u>		
Details	19	263
<u>No.500 and 501 Percn., base, medium</u>		
Details	23	362
	25	427
<u>No.551 Percn., base, medium</u>		
Mk.II	30	564
<u>No.700 Time</u>		
Mk.I	19	267
<u>No.701 Time</u>		
Mk.I	29	527
<u>No.721 Percn., D.A.</u>		
Mk.II	22	326

GRENADES

Monogram of filling factory marking	33	713
Number constituting a filled lot, various grenades	39	966
Weights, markings, etc., various grenades	37	917
<u>No.361 Hand, or .303" Rifle</u>		
All purposes Key	34	757
Care and preservation	19	244
Mk.V Paper ring round safety fuze of igniter set.	31	625
<u>No.63. Rifle, Smoke</u>		
Obsolescent	18	218
<u>No.67. Lachrymatory, Mk.I</u>		
Details	20	292
<u>No.68. Rifle, A/T</u>		
Mk.II Details	17	195
Alternative filling provisionally approved	31	619
No more will be made	33	704
<u>No.69. Hand</u>		
Mk.I. Details	17	200
Removal of detonator	35	820
<u>No.73. Hand, A/T.</u>		
Mk.I. Details	19	265
Declared Obsolete	24	401
" Obsolescent instead of Obsolete	36	455
<u>No.74. Hand, A/T.</u>		
Mk.I Details	16	184
Nomenclature	23	374
Mk.II Details	32	649
Design amended to prevent prematures	34	754

GRENADES (Contd.)

No.75, Hand, A/T.

Mk.I Details	23	373
Igniter assembly, etc.	24	388
Fillings, detonators and No.75A	25	429
Assembly of detonators with igniters	26	444
Markings	32	684
Fitting of waxed felt washer in neck	34	763
Alternative explosives	35	824
Practice grenade	34	787
Fillings	38	946
Mk.II Details	38	927

No.76, (S.I.P.) Hand

Details	12	118
Nomenclature	28	506
Storage	18	213
Fire risks	20	286
Inspection and Proof	22	341
Use of paper sleeve when fired from 2.5" projector	29	547

No.77 W.P., (Mk.I) or F.M. (Mk.II), Hand

Mk.I Details	28	504
Mk.II Details	33	699
Mks.I and II. Type of No.247 fuze to be used.	36	870

No.79, Hand, Smoke

Mk.I. Details	32	637
Dimensions and weight of package	34	761
Modification to igniter system	37	905
Use of P.N.398 or P.N.436 as a filling	36	861

No.80 (W.P.), Hand

Mk.I. Details	39	972
---------------	----	-----

No.82, Hand, A/T

Mk.I. Details	35	808
---------------	----	-----

No.83, Hand, Smoke

Mk.I. Details	39	980
---------------	----	-----

GENERATORS (SMOKE AND LACHRYMATORY)

No.8, Smoke

Proof	11	110
Mks.II and III: Use of propellant charge discontinued	18	231
Mk.I Obsolete	34	753
Mk.V Tail smoke emission only.	37	890

No.18, Smoke

Mk.I. Details	20	291
---------------	----	-----

No.24, Smoke

Mks.I, II and III. Details	33	728
Mk.II. Amendment to design.	36	863
Mk.I. Obsolescent.	39	977

No.26, Smoke

Mk.I Details.	34	795
Times of burning	36	864

No.28, Smoke

Mk.I Details	39	970
--------------	----	-----

GRENADES (CONTD.)No. 75 Hand T/A

Drill Mk. II	41	1061
Burrowite Filling	43	1139

No. 75 A/T Hand

Mk. 3 - Obsolete	50	1466
------------------	----	------

No. 77 Hand

Temporary Wrapping	41	1047
Mk. 2 : Charging Hole Plug	45	1235
Package.	47	1299

No. 79 Hand Smoke ML -

Use of Fuze No. 247 Mk. 2.	45	1229
----------------------------	----	------

No. 80 Mk. 1 : Number constituting filled lot.

	47	1314
--	----	------

No. 82 Hand Drill

" " " Mk. 1 : Change of Mark.	43	1131
" " " Drill : Packing.	46	1262
	46	1274

No. 83 Hand Smoke Mk. I Marking

Smoke Mk. II	40	1005
Smoke New filling compositions	44	1187
	44	1183

No. 91 Hand - Mk. 1 Introduction (Fig. 601)

	50	1478
--	----	------

Generators.

Smoke "Obsolescent"	44	1201
Smoke "Obsolete" stores.	48	1355

No. 17 Mk. 1 No. 25 and No. 26 Mk. 1 - obsolescent	49	1408
No. 18 Mk. 1 - obsolescent		
Smoke No. 18 Mk. 1 & No. 28 Mk. 1 - obsolete	50	1453
No. 24 Smoke Filling and Marking.	40	1005
" " " Mk. 4 (Fig. 559)	48	1360
" " " Mk. 5 (Fig. 560)	48	1361
No. 25 Smoke Mk. II (Fig. 399)	40	1014
" " " Mk. I and II "Obsolescent"	42	1109

No. 28 Smoke

Mk. I : Time to effective smoke emission	47	1315
--	----	------

Generators Chemical

No. 30 Mk. I	48	1362
--------------	----	------

IGNITERS

Electric No. 88 Mk. 2	46	1260
No. 90 Mk. 2	46	1261
BL Cartridges : Marking.	47	1326A
No. 88 and 90 Group Classification.	47	1303

<u>INSTRUCTIONAL IGNITER</u> No. 74 Grenade Mk. 2	46	1257
---	----	------

<u>IMPLEMENTS AMN</u> - Key No. 224 Mk. 1	46	1258
---	----	------

KEYS

Key No. 36M Grenade, All Purposes Mk. 1	45	1234
" No. 224 Mk. 1 Implements Amn.	46	1258

Marking of shell fuze Base Perc Nos. 159, 270, 346, 480.	45	1223
---	----	------

MINES

Anti-personnel No. 5	43	1155
" " " " Sealing label.	45	1228

GENERATORS (Contd.)

No.2. Lachrymatory

Mks.I and II. Obsolete

34 753

MINES

Marking. Monogram of filling factory

33 713

"B", Type "C"

Details

27 479

Changing of resistance spring

27 480

Contact, A/T.

Mks.I, II and III. Details

5 41

Mk.III. Safe load.

7 64

Mk.IV. Details.

9 84

Mks.IVC, V and VC. Details.

28 509

Mk.V. Amatol filling

28 510

Mk.V H.C. T.N.T. filling

33 716

Mk.II. Obsolete

39 967

Shrapnel, Mk.I

Details

12 137

MORTAR AMMUNITION

Marking. Monogram of filling factory re Head filling and Body charging.

33 713

33 717

Primary cartridges. Air cushion wads as alternative to felt.

34 782

2-in.

Table of

4 25

Signal or Illuminating - Table

14 149

Signal.

18 227

Smoke, Mk.II.

18 228

" " Marking.

33 718

Illuminating with parachute, Mk.I.

18 229

H.E. packing of Batches

27 489

Filling and Marking details

37 915

Packages

4 26

27 489

Smoke, Signal and Illuminating - Markings

33 700

Fuzing

33 711

Cartridges -

55 Gr. Ballistite Mks.I and II

18 222

47 Gr. Ballistite Mk.II.

19 246

55 Gr. Ballistite. Alteration in filling

36 871

52 and 47 Gr. 81 mm. powder. Nomenclature.

38 933

3-in.

Chemical, Bursting. M. of Charging. 9758

22 335

Duplication of Batch markings

18 220

Fuzing

19 256

H.E. Mk.III. Bearing American markings.

36 856

H.E. List of Batches issued with incorrect M. of F.No. marking.

20 289

Methods of filling

20 281

Packages

4 26

Packing of Batches. "Fraction" boxes not to be packed.

33 697

Star, 10-lb. Mk.I.

17 202

33 703

Smoke, 10-lb. Marking 'FM' or 'CSAM'

33 719

Smoke, observing, 10-lb. Mk.I.

17 201

MORTAR AMMUNITION (Contd.)

3-in. (Contd.)

Storage	32	639
Table of	4	25
Cartridges -		
Augmenting. Use of Cordite W. or W.M.	20	284
" Propellants	24	399
" 1260 Gr. N.C.(Y) Charge. (6 210 gr. cartridges)	30	588
" 277 Gr. Neonite No.12 Mk.I and II.	36	874
Combination of primary and secondary charges for filling in Great Britain and Canada.	35	848
Primary, 95 grain Ballistite Mk.VIII and IX	18	221
Use of Hercules 81 mm. powder and M.4.X.	23	366

4.2-in.

Duplication of batches	35	834
Tail units. Marking	33	721
Securing to bomb	33	714
Tightening with shakeproof lock washer	37	899
Rustproofing of guide bands	33	726
H.E. Mk.I	29	542
Chemical, Mk.I.	29	540
Smoke, Mk.I.	29	541
Practice, Inert, Mk.I	29	543
Practice, Bursting, Mk.I.	29	544
" " " Marking.	33	725
Cartridges -		
Primary and augmenting	29	545

6-in.

Exploders for	17	198
	18	233

29 mm. Spigot Mortar

Cartridges markings and fairings	24	382
Nomenclature details	26	448
Practice bombs. Insertion of tail tubes	29	523
H.E. bombs. Alternative filling	28	508
Packages	26	447
Filling and Marking details	37	915
Bombs -		
H.E. 14-lb. Mk.I.	22	336
H.E. 20-lb. Mk.I.	22	337
Practice, 14-lb. Mk.I.	22	339

NAVAL AMMUNITION USED IN LAND SERVICE

Table of, for Coast Artillery equipments	20	274
	23	351
Cartridges, B.L.		
7.5-in. for Mk.VI gun	24	380
15-in., 8-in. and 7.5-in. for Coast Artillery	29	529
Fuzes -		
Peron., Base, large:-		
No.158 and 158A	29	537
" 345 and 345A	29	538
" 479A Mk.I.	24	387
Peron. D.A. No.3600 Mk.I.	29	535
Time:-		
No.198 Mk.II	29	533
" 206 Mk.II	29	534
" 400	29	536

MORTAR AMN (CONTD.)
3-in (Contd.)

Package Markings	43	1030
Ctges Aug 280 Gr Neonite Packing and Labelling.	43	1030
Ctges ML	43	1127
Ctges Smokeless 90 grs Ballistite	44	1194
" 95 Gr - "Obsolescent"	44	1195
" ML - Augmenting:- Obsolete and obsolescent	50	1458
" " " :-180 gr. Mk.8Z NCRP Mk.2.	50	1472
Design approved.	51	1500
Aug. 65 Gr. Hercules 81 m/m Powder - Design cancelled		
<u>4.2-in.</u>		
Package Markings.	42	1103

Ctges Drill Aug Mks II, III, IV and V. 42 1093

Nomenclature - Future policy as regards Land Service.	45	1231
---	----	------

NAVAL AMN.

Package Markings

40 1017

PACKAGES

Simulators Gun Flash	40	1007
Amn Distinctive marking for Jungle warfare	43	1149
" Special marking to facilitate identification	43	1141
Amn Special markings to facilitate identification	45	1240
" " " " " "	46	1267
" Distinctive marking for Jungle warfare	48	1377
" Method of securing	48	1381
Ctges QF 6-pr 10 cwt	41	1042
Ctges QF 6-pr 10 cwt	40	1004
Ctges BL 5.5-in Gun	40	1001
ML 3-in Mortar Amn	44	1182
Box Amn SB ML 4.2-in Mortar B183 Mk. 1	46	1277
Ammunition Stencilling and Labelling	49	1399
Carriers, ML Mortar Amn.		
Wartime concessions (Chemical Tests waived)	49	1407
<i>Stencilling on and Explosive Group Labels</i>	51	1498
<i>Markings on - Operational -</i>	51	1509
<i>For SB 4.2-in Mortar - Superseded by Tropical Designs</i>	51	1503

SAA.

Simulators Gun Flash No.4 Mks. 1&2 and No.5 Mk.1	49	1397
Design cancelled		

Boxes

Boxes ASA H50 Mk. 1. Inclusion of drainage and vent holes.	48	1349
Boxes Amn G312 General purpose.	42	1111
C206 and C207 Additional Markings.	42	1110
" Amn - Alternative webbing handles.	45	1219
" ASA H50, H51, H52.	45	1244
" ASA H50 - Extension of use.	45	1230
" H50 and H56 - Stencilling.	48	1368

NAVAL AMMUNITION ETC. (Contd.)

Mine, "B", Type "C"		
Description	27	479
Changing of resistance spring	27	480
Packages, Naval Ammunition for Coast Artillery equipments	23	350
Q.F. 5.25-in. A.A. Components of complete rounds, packages, etc.	26	452
Shell -		
H.E. for Coast Artillery. Exploding and fuzing.	25	428
B.L., H.E. 6-in. Mk. IX A.Q. Exploding for fuzes of the No. 45 type	25	449
B.L., H.E. and Piercing types for 15-in., 8-in. and 7.5-in. guns in Coast Artillery.	29	530
Weights and dimensions	29	531
Markings	29	532
Shell Markings	23	353
Tracer, Shell, No. 8 Mk. I	29	537
Tubes, for 15-in., 8-in. and 7.5-in. guns in Coast Artillery.	29	529

PACKAGES

For:-

A.A. ammunition	1	2
	1	19
Aircraft bombs		
A.S., A.P., R.L.	11	107
Chemical	6	50
Incendiary	6	51
	14	147
S.A.P.	9	82
Cartridge, B.L. 26-cwt. How., Super charge	27	487
Cartridge, Q.F. 25-pr. 5½-oz. Super charge	39	969
Coast Artillery ammunition		
B.L.	20	278
Q.F. separate	20	279
Q.F. fixed	20	280
Naval types	23	350
Field Artillery Q.F. ammunition	2	10
Fuzes		
F.24/31 R.Y.G.	32	661
No.221. Bulk packing.	34	781
Medium Artillery B.L. ammunition	3	18
Mortar ammunition		
29 mm. Spigot, Mortar	26	447
2" (Signal and Illuminating)	14	149
3" and 2"	4	26
	27	489
3" Bulk packing of 210 gr. N.C.(Y) augmenting charges	36	853
Pyrotechnic Stores, various	10	95
	33	709
S.A.A:	4	28
	4	30
	31	624
	33	731
Simulators, Gun flash	34	762
Smoke round 2" Bomb Thrower	14	150
Tank ammunition	5	40

Boxes:-

Charges, P.E. M.91 Mk. I	18	234
C.E./T.N.T. Slabs, W.109 Mk. I.	34	756
No.74 Grenades		
G.110 Mk.I and II	39	973
G.112 Mk. I	39	961

PACKAGES (Contd.)

Boxes (Contd.)

No. 75 Grenades		
G. 111 Mk. I	38	945
P. 60 Mk. II		
Stores packed	35	833
Q.F. 40 mm.		
C. 297 Mk. I	34	752
C. 280 Mk. I (Hamper)	33	735
Q.F. 75 mm.		
For British rounds	29	553
C. 283 Mk. I (For N. American production)	38	936
Q.F. 2-pr. Mks. IX to XA guns.		
Boxes for N. American production	35	815
Q.F. 6-pr. 6-cwt.		
C. 303 Mk. I	34	779
C. 298 Mk. I	35	814
Q.F. 6-pr. 7-cwt.		
C. 286 Mk. II	35	813
Designs for manufacture in Canada	34	767
Q.F. 3-in. 20-cwt.		
C. 204	34	755
Q.F. 17-pr.		
C. 310 Mk. I	36	876
Rocket, 'U' 3-in.		
M. 97 Mk. I for Tails, propelling	35	809
S.A.A.		
H. 29 Mk. II	36	857
Details of decisions concerning H. 29 box.	36	865
H. 49 Mk. I.	39	965
S.B., M.L. 4.2" Mortar		
B. 182 Mk. I	36	849

Containers, Crates, etc.

Carrier, Amm. Inf. Projector A.Tk. No. 8, Mk. II Packing	37	896
Container Gtge. No. 23 Mk. I.	37	904
Grate, Mine, A.Tk. M. 138.	33	695

Markings on packages.

Cartridge, B.L. 9.2-in. How. for use with 315-lb. shell	8	7
Cordite in bulk. Weight marking	33	724
Details of (except S.A.A.)	37	914
Discontinuance of "A.C." marking	6	59
Fuze particulars	10	98
Instantaneous Fuze. Package markings	33	706
N.C.T. containers	14	145
Omission of word "BATCH"	4	37
Pyrotechnic Stores	33	710
"Q" markings omitted on all Q.F. cartridge packages	38	920
Q.F. 40 mm. when rounds are fitted with S.D. Tracer	32	659
Q.F. 3.7-in. A.A.		
Containing cartridges filled Cordite N/S.	27	482
Containing cartridges made up in Canada. "Q" markings omitted.	32	655
Q.F. 4.5-in. A.A.		
Special marking when containing cartridges made up with Cordite.	8	74
M.D. or R.D.B. of 1918 manufacture.	17	203
Special marking when containing cartridges made up with American	15	161
1918 N.C.T. 065		
Q.F. 4.5-in. How.		
Marking when containing Smoke shell	30	566
Rocket, 'U', 3-in.		
Marking when containing Tails, propelling	24	386

PACKAGES (Contd.)Boxes (Contd.)

QF 3.7-in Mk. VI C.284	41	1038
QF 3.7-in Gun, C.213. Wartime concessions.(Boxes for repair).	49	1407
Cases Cordite C.128 - Repairs. Wartime concessions.	49	1407
QF 17-pr C.317 Mk. 1	40	999
" " C.310 Mk. 1	41	1072
QF 25-pr Ctges C.267 "Obsolescent"	41	1051
ASA "Obsolescent"	47	1292
ASA H.13	47	1301
SAA H.31 - Extension of use to pack 3" M. Ctges.	42	1096
ASA H.31	43	1157
SA : Identification of contents and method of packing.	46	1269
Explosive M148 : Extension of use.	40	1010
<u>Containers, Crates, etc.</u>		
Ammunition.	40	1006
Containers Ctges QF 25-pr No. 211	40	1009
Cylinders Ctges - Crating during transit	40	997
Containers Ctges 17-pr.	41	1070
" " No. 61 Mk. I (6-pr 7 cwt)	42	1092
" " No. 66 Mk. III (2-pr IX and X)	42	1091
" " No. 226 Mk. I (40 mm)	42	1097
" " No. 229 and 230 (2-pr IX and X)	43	1144
" " No. 223 and 236 (6-pr 7 cwt)	43	1136
Containers Ctges No. 246	44	1205
No. 249	44	1188
No. 250	44	1189
Cylinders, paper, No2. 1 & 2 (25 pr.) Wartime concessions. (Chemical Tests waived)	49	1407
QF & BL Ctges. Wartime concessions. (Chemical Tests waived)	49	1407
Liners and Discs Wartime concessions. (Chemical Tests waived)	49	1407

PACKAGES (Contd.)

Naval Amn Package markings.	40	1017
Amn packages - various markings.	42	1107
Mor 4.2-in Package Markings.	43	1130
Rocket Amn and Packages Markings.	43	1140

General

Explosive Labels	40	1013
7.92 mm Mixed Packing	41	1040
Fuze Instantaneous Reel Box Package.	41	1063
Cyl. and Boxes for Fuzes, Gaines, Primers and Tracers.	44	1190
Water-tight Steel Boxes - Inner Lids.	46	1279
non-tropical.Special marking "NOT TROPICALLY PACKED"	49	1406

Primers Ctges QF

Application of Luting.	40	1012
Field CE 1-oz. : Packing.	48	1380

PACKAGES (Contd.)Markings on Packages (Contd.)

S.A.A. packages. Distinguishing marking	7	63
Wood packages. Branding of contractor's initials or trade mark.	33	690
Yellow interrupted line on packages containing Batched Amm. to be disregarded.	11	13

General

Government Explosive Label. Stencilled design	36	850
Metallic packages approved for conveyance of small consignments of explosives by rail	31	623
Packing of grumets discontinued, Q.F. 25-pr. Shot, A.P.	32	656
Painting		
Use of brown as a substitute	27	486
Use of green as alternative to brown	34	778
Steel packages, watertight. Instructions re opening and closing	33	692
Sunlight on packages	3	20
Transport and stacking	4	34
	5	43
War time concessions	12	121

PHOSPHORUS BURNS

Treatment of	38	928
--------------	----	-----

PLUGS, FUZE-HOLE, ETC.Fuze-hole

2-in. No.1 Mk.IVF.		
Use in B.E. Chemical shell	30	584
Used for transit purposes. Marking.	34	774
Marking of non lead free brass plugs	25	421
Moulded plugs	24	406
Types used for practice	22	345

PRIMERS, Q.F. CARTRIDGE

Colouring of caps to indicate initiator filling	29	546
Keys -		
No.86 for Primers No.1, 2, 5, 9, 11, 12, 15, 16 and 17.	37	902
" 193 Mk.I for Primer No.1	39	962
" 194 Mk.I " " No.9.	39	962
List of, with details and uses	36	868
Q.F. composition for caps	14	144
	16	181
'Q' markings	20	285
'Q' Primers		
Fitted in all 3.7" A.A. cartridges made up in Canada.	32	655
Marking of ammunition packages containing	31	607
Stabbing in position. To cover all Q.F. cartridges.	32	663
Serviceability in extracted cartridges.	16	177
War time concessions to facilitate supply, etc.	28	514
Waterproofing	21	309
	28	513
No.1, Mk.II: Substitution for No.9 or 11 on emergency Q.F. 4.5" and 3.7" A.A.	11	108
No.11. Use with Q.F. 4.5" cartridges filled N.C.T.065, as emergency measure	18	216

PRIMERS, Q.F. CARTRIDGE

No.12 and 18. Use of cap composition	19	258
	28	519
No.15, for Q.F. 3-pr. and 6-pr. S.C. cartridges.	23	367
No.27. Use in Q.F. 2-pr. Mk.I Gun, S.C.	34	784
No.28	24	389
	28	512
No.29 Mk.I	34	762
No.30 Mk.I	34	790

PROJECTOR, 2¹/₂-INCH

Charges, 10 dr. Mks.I and II	33	702
	35	829
Salvage of rubber pads from charges	27	488

PROJECTOR, INFANTRY, A.TK.

Bomb. Filling and Marking details.	37	915
------------------------------------	----	-----

PROPELLANTS

Ballistite and N.C.(Y) in Mortar cartridges. Suspension of heat testing.	30	563
Code letters		
Indicating various natures	9	86
	21	316
	24	397
	27	475
Cordite A.N.	36	854
" H.S.C.T./K.	36	866
F.N.H./D.B.	31	611
Cordite		
A.N., Nomenclature	39	976
Bofors	2	14
	17	203
Mk.I, M.D. or R.D.B. 'official life'	8	7
C.D.T.	30	557
H.S.C. and H.S.C.T., Tests and sentences	21	301
R.D.N./A. Testing of	11	111
W. or S.C., issued for practice purposes	10	99
W.H.		
Introduction of	14	143
Provisional instructions for testing	14	142
Sulphur infected	15	159
Use of dyed carbamite	16	179
Heat tests	13	128
On drums for S.A.A. cartridges. Marking of packages	36	873
Flashless, Nomenclature	20	296
Hercules Double Base F.N.H. powder. Nomenclature	30	559
M.4.X.		
Use for burst short charges in Q.F. 4.5", 3.7" and 3" 20-cwt. guns.	21	311
Stability	31	610
Nomenclature and composition of propellants	32	635
onite	6	56
C.T.		
Notes on	13	126
	14	145
Natures of, and code letters	22	329
1914-1918 manufacture. Service life extended:	31	613
	31	616

PRIMERS CTGES QF.

No. 34 Mk. 1 Fig. 398.

40 1002

No. 29 Mk. 1 "Obsolete"

41 1055

PROJECTORS, 2½-IN.

Mks. I and II "Obsolete".

Bombs HE/AT Infantry projector AT Mk 1, 1A, 2 & 3
obsolescent41 1054
49 1423PROPELLANTS.

Code Letters

40 995

Service life of NH.050 Lot MA 361 Ext.

43 1126

Cordite SC and HSC : Nomenclature of Tublar.

43 1156

Neonite

Extended system of Nomenclature.

42 1115

PROJECTILES

5.5" HE BL and below. Re exploder containers. 47 1298

9F
40 mm.

Practice VIT and IXT Markings. 42 1100
Spray Painting. 42 1095

95 mm

Smoke emission Tk/How New Delay. 40 998
HE Mk. IA (Fig. 419) 41 1043
Tk Howr Ctges 42 1098
3P and Inf How 13 oz. 11 dr. Cord WM.029 42 1099
Smoke BE SP Inf How : Ext. of use to Tank. 42 1101

PROPELLANTS (Contd.)

N.C. powder for various types of S.A.A.	36	877
N.C.(Y)		
Colouring	24	400
Smokeless, to be known as N.C.(W)	32	648
N.H. and F.N.H. Nomenclature	30	558
Nitrocellulose powder in American 75 mm. ammunition. Sentencing.	18	239
Nobel's Rifle Neonite. System of nomenclature.	38	937
Superin	33	696

PROJECTILES

B.L.

5.5-in.

H.E. S/L. Mk.ID.	24	324
Distinguishing marking, 80-lb. S/L. projectile	36	872
Standard weight, 80-lb. projectile	37	911

6-in.

Chemical, bursting. "Obsolete" Marks	38	944
C.P.B.C. Repair of broken fillings of T.N.T./B.W.X.	23	369
H.E. Mk.XXVI/XXB, XXVII A.Q. and XXIXB. (M. of F.DD/L/4052)	32	665
H.E. S/L. 100-lb. Weight marking.	27	483
H.E., T.N.T. or Lyddite. M. of F. DD/L/4052(1). Amended nomenclature.	37	912
H.E. Mk.XXB in Coast Artillery. Conversion of exploder system for landwards firing with Fuze 119.	26	458

7.2-in.

Gauges approved.	33	667
------------------	----	-----

9.2-in.

A.P.C. Mk.XXIB. Conversion of	37	910
H.E. Mk.XIIIA and XVIIIB. M. of F. DD/L/4052	32	665
H.E., T.N.T. or Lyddite. M. of F. DD/L/4052(1). Amended nomenclature	37	912
315-lb. How. shell. Identification.	8	77

Q.F.

40 mm.

H.E.,		
Marking when filled Pentolite	37	895
Mk.IIT. Modification to tracer cavity	38	938
Sealing of Pentolite filled shell	35	817
Varnishing of driving bands	34	775
Projectile, practice		
Mk.IIT	24	319
Mk.IVT	36	855
Mk.VIT	33	700
Mk.IXT	39	959
Nomenclature list	39	981

75 mm.

H.E., M. of F.	19	255
Smoke Emission, Mk.I and II. M. of F.	26	441

95 mm.

List of shell	35	825
H.E., Tk., S.P. and Inf. How., M. of F.	35	826
Smoke emission, Tk.How., M. of F.	35	827
Smoke, B.E., S.P. and Inf. How., M. of F.	35	828
Use of T.N.T. as a filling for Shell, H.E. S.P. and Inf. How.	39	982

PROJECTILES (Contd.)

Q.F. (Contd.)

<u>2-pr.</u>		
H.E. Mk.II. M. of F.	33	730
<u>12-pr. 12-cwt.</u>		
H.E., M. of F. DD/L/12157	26	454
<u>17-pr.</u>		
H.E., Mk.II and IIT. M. of F.	36	859
<u>25-pr.</u>		
Chemical, B.E., S/L. Mk.VIID. Method of head filling DD/L/12974	26	445
Chemical. Marking.	33	715
H.E.		
Filling	33	722
Use Grade II T.N.T. with Amatol 40/60	36	852
Shot, A.P.,		
Issued during emergency with wet markings	13	129
Packing of grumets in packages discontinued	32	656
Table of 25-pr. projectiles.	34	794
<u>3-in. How.</u>		
H.E.,		
Mk.II. M. of F.	26	442
Standard fuze	34	749
Smoke emission, Mk.I. M. of F.	26	440
<u>3-in. 20-cwt.</u>		
H.E.,		
Omission of smoke box	25	431
" " " " cancelled.	30	583
<u>3.7-in. Gun.</u>		
H.E.,		
Marking to indicate rusted cavity walls	26	481
M. of F. Amatol 50/50.	22	328
Omission of smoke box	25	431
" " " " cancelled.	30	583
<u>4.5-in. Gun.</u>		
H.E.,		
M. of F. Amatol 50/50	22	328
Omission of smoke box	25	431
" " " " cancelled	30	583
<u>4.5-in. How.</u>		
Chemical bursting, Mk.XII. "Obsolete"	38	944
<u>6-in. Gun.</u>		
H.E. Mk.XXB in Coast Artillery. Conversion of exploder system for landwards firing with Fuze 119	26	458
<u>General</u>		
Attachment of penetrative caps	33	715
	38	944
Blind shell. Disposal of	4	3
	13	125
B.L. or Q.F.		
Chemical, B.E. Method of Head filling 10471 and 10593	22	33
Chemical bursting. Method of Head filling 8154.	22	33
Chemical shell. Markings.	22	33
Exploders. List of exploder bags, shell, T.N.T. or C.E. and weight of filling.	36	858
Grumets, shell. Use of manilla rope.	23	370

PROJECTILES (contd.)QF (Contd.)

<u>2-pr Mk. IIT - Method of Filling.</u>	43	1132
--	----	------

<u>HE 6-pr 10 cwt Mk. 10T - Method of Filling.</u>	46	1259
--	----	------

<u>HE 12-pr 12-cwt. "Obsolescent".</u>	46	1275
--	----	------

<u>HE 17-pr and 77 mm Mk. 2 TM of Converted filling.</u>	45	1221
--	----	------

<u>25-pr - Smoke Boxes.</u>	46	1266
-----------------------------	----	------

Shell QF Smoke BE. Mk.7B and 8B - obsolete.	49	1430
---	----	------

Shell QF HE S/L. Packing when Fuzed No.117 or 119.	49	1414
--	----	------

3-in How.

Smoke Emission "Obsolescent"	42	1103
------------------------------	----	------

3.7-in Gun.

HE 3.7-in and 4.5-in Guns	41	1065
---------------------------	----	------

HE 3.7-in How, Alternative fuzes.	45	1242
-----------------------------------	----	------

" " " Packages	45	1218A
----------------	----	-------

<u>QF SAP 4.5", 4.7", 5.25" - Method of filling design amended.</u>	46	1270
---	----	------

M. of F. design amended.	49	1409
--------------------------	----	------

Projectiles General

Marking of stores filled RDX.	47	1308
-------------------------------	----	------

Marking.	48	1353
----------	----	------

Paint on driving bands	49	1417
------------------------	----	------

Exploder Bags Shell TNT or CE.	41	1052
Explosions.	41	1072A

PROJECTILES GENERAL (Contd.)

HE Amatol Filling.	41	1068
HE Painting.	41	1066
HE Amatol Filling.	42	1088
QF HE Amended to M of F designs	43	1152
Empty Shell in Transit - Use of Washers.	42	1112
Weights Marking on Filled Shell	41	1041
Details of Method of filling designs.	42	1094
Shot QF "Obsolescent".	43	1154
HE Details of M of F design 40 mm	44	1207
BL or QF Smoke BE M of F design.	44	1206
Shrapnel "Obsolete" and "Obsolescent".	46	1276
PIAT Amn Marking of Lot No. on packages.	45	1238
Signal 2 Star Red and Green Mk. 1/1	48	1365
" 10 star - Colours various.	48	1366
Flares, Lights Signal & Rockets - Obsolete	50	1454
Match Quick and Match Slow - Obsolete	50	1462
Thunderflash Mk.8 (Fig.595)	50	1451
Signal Illuminating Mk. 1	47	1322
" One Star, Red, Green or Yellow Mk. 1	47	1321
" Double Star, Red, Green or Red and Green Mk. 1	47	1323
" 2 Star, Red and Green Mk. 1	47	1324
Simulator Gun Flash 4 and 5 "Obsolescent"	41	1046
Simulator Gun Fires, 10 min, $\frac{1}{2}$ hr., 2 hrs.	41	1057
" Gun flash "Obsolescent" and "Obsolete"	47	1305
Smoke Floats Distress Marine	41	1048
Simulators Gun - flash No.4 Mk.1 & 2 and No.5 Mk.I - Design cancelled.	49	1397
(Simulators M.G. A/B No.1 Mk.I, 2 and 3 - nomenclature.	49	1433
(" R.F. A/B No.1 Mk.I, 2 and 3 - "		
(" R.F. Mk.I. - obsolescent.	49	1420
(" Signal A/B No.1 Mk.I - nomenclature.	49	1438
(" " A/B No.2 Mk.I, 2 and 3 - nomenclat-		
Float Smoke 50 Lbs MK1 & 2.	ure.49	1438
" " " MK2 : Obsolescent.	46	1256
Simulators "MG. Fd No1 MK1 : Introduction	51	1508
REPORTS.	51	1510
Explosions.	41	1072A
Ammunition - Annual inspection and Proof	49	1412
<u>Rockets 3"</u>		
Ammunition - Obsolete for Land Service	50	1457
For Land Moccress Egypt: Obsolescent.	51	1501
Nomenclature : FS "A" SS"	51	1499

PROJECTILES (Contd.)General (Contd.)H.E.

Field Service. To be issued with top exploder in position.	37	913
Details of M. of F. designs for Amatol filled shell.		
Painting and marking		
Filled Amatol for Field Army. Inclusion of smoke box filled	19	261
Red Phosphorus		
Limited life in hot climates. Marking	21	300
Over 6-in. calibre. Reduced cavity	37	893
Simplifications to facilitate production	23	360
Head filling and body charging markings	33	717
Pointed or piercing. Reports on loose caps	25	411
Q.F., Chemical, B.E. Method of Head Filling 10171 and 10593	22	331
Q.F., Chemical, B.E. S/L. "Concoidal" marks.	38	944
Shot, A.P. and S.A.P. Details	18	238
Shot, Cast iron. Marking.	33	720

PYROTECHNIC STORES

Cartridges, Signal, G.R. 1½-inch. Type 1 & 2. Distinctive colour banding and labelling.	10	94
Cracker, Blank, Mk.I T.P.	33	707
Flare, distress, marine, Red, Mk.I.	39	971
Flare, trip-wire Mk.I.	35	836
Markings on packages.	33	710
Packages for various stores	10	95
	33	709
Rocket, Signal, 3 Star, White (G.R.) and R.P.	22	335
Rockets, various. Trade patterns.	20	290
Signal, 1 star, Red, Green or Black, G.R.	35	837
Simulator, Gun Flash		
No.2 Mk.I	26	451
No's. 3, 4, 5 and No.1 Mk.II.	32	638
Temporary packages for expended	37	906
Approved " " "	39	957
Table of various stores	10	93
Thunderflash, Mk.V.	33	732

REPORTS

Allied and Enemy ammunition. Transmission of information regarding	4	32
Defective ammunition	3	23
Electric Ignition Stores. Reports and examination of defective stores.	22	334
Shell, pointed and piercing. Reports on loose caps.	25	411

ROCKET, "U" 3-INCH

Assembly of tail fins	23	363
Care and preservation	22	327
	25	422

H.E. Shell

Insertion of adapter with Gains Mk.15 and Fuse 700.	22	282
Insertion of shell in tail propelling	19	247
M. of F. 13306A, Shell, H.E., No.2 Mk.I.	29	528
Markings and Weight details	37	915
Propellants. Nomenclature and code letters.	30	560
Salvage of components.	25	432

ROCKET, "U" 3-INCH. (Contd.)

Shell. Filling and Marking details.	37	915
Tails propelling		
Details	19	266
Inspection and sentancing of bags containing selica gel	28	493
Markings	23	372
Mark II. Details	33	698
Marking, when suitable for thermal conductivity fuzes.	30	572
Ohmmeter for testing resistance of fuze, Electric, No.F.53 Mk.I.	30	591
Package markings.	24	386
Package. Box M.97 Mk.I.	35	809
Replacement of selica jel bags.	28	494
Sealing of closing discs	30	565
Temperature limitations to use of	22	346
	23	364
	25	423
	26	438
	28	518
Waterproofing of closing discs	32	640
Tail, drill, Mk.II.	32	647

ROCKET "U" 5-INCH

Care and preservation	22	327
	25	422
Chemical Bomb, Mk.I		
Details of complete round and package	22	324
Packing of "ready use" rockets for transport	24	381
Marking to indicate tails fitted with unmachined Venturis	25	425
For practice. Details.	19	248
Pressure plate plugs. Packing.	23	371
Tail propelling		
Incorrect painting of some fin assemblies	25	413
Markings	23	372
Markings of tails and packages containing lightweight propellant charge.	31	598
Temperature limitations, to use of.	22	346
	26	438

S. A. A.

Base markings		
Cartridges manufactured in Great Britain (factory initials)	24	402
Details of	31	615
	31	627
U.S.A. manufacture.	21	318
Cordite on drums. Marking of packages.	36	873
Distinguishing marking on packages.	7	63
N.C. powder for various types	36	877
Standardisation of manufacture of types used in aircraft.	31	626
Additional label on packages.		
Types, Packings, Packages, Markings.	33	731
Table of (other than .303")	4	29
.303-in.		
"W", "G" and "O" (Table)	4	27
"G", Tracer, Mk.II. Quantity issued without base markings.	33	729
"H" Mk.IZ. Use of "Superim" powder as an alternative to Ballistite.	19	257
"L", Blank Mk.V.	31	620
	34	780

Rocket Amn and Package Markings.

43 1140

Rocket U" 5 1/2 inch.

Obsolete:

Nomenclature: "FS" & "SS"

51 1506.

51 1499.

SAA

Universal package.

" " Markings.

Incendiary, Packing details.

47 1300

47 1325

47 1307

SA Drill - Omission of Base Markings.

41 1056

SAA.455-in

Ammunition SA .455-in - Obsolete

50 1470

.55-in.*Obsolete.*

51 1512

7.92 mm

Mixed packing.

41 1040

Metal-cum-Fabric Belts.

42 1113

9 M/m.*MK12 : Obsolete*

51 1507

15 mm

Ammunition S.A. 15 mm - Obsolescent

50 1470

20 mm

Oerlikon Marking.

44 1198

Hispano - Identification Marking.

44 1199

S.A.A. (Contd.)

.303-in. (Contd.)

"O" Observing. Inspection	30	571
Drill. Omission of base markings	38	925
Rifle Grenade Ctge. Alternative propellant	24	403
Standardisation for all Services.	16	178

.55-in.

Proof	11	110
-------	----	-----

7.92 mm.

For Besa medium machine gun	7	68
-----------------------------	---	----

9 mm.

Mk. IZ	32	652
Labelling of packages	34	773

13.2 mm.

A.P. Proof	11	110
------------	----	-----

15 mm.

For Besa heavy machine gun	7	68
----------------------------	---	----

20 mm.

Hotchkiss	4	38
Hispano gun		
Classification	7	69
Description	9	87
Identification marking H.E. cartridge	15	165
Oerlikon gun	28	516
	30	592

S.B., 3-IN. GUN.

H.E. complete round	19	264
	22	342
Bomb, H.E. A.Tk.	32	657
3" Mortar Bomb - Obsolete for use in 3-in. S.B. Gun.	34	765

STATION MONOGRAMS

Additions to Magazine Regs. Pt.I, App.III.	19	268
	21	317
	23	375
	31	628
Amendment to Item 317, Bull. 21.	24	384

STORAGE AND TRANSPORT OF AMMUNITION

A.A. ammunition for A.D.G.B. Storage	1	3
Ammonium nitrate. Storage.	17	197
Bin type buildings.	1	4
Bin type storehouses for A.A. practice ammo.	2	13
Binless A.D.G.B. storehouses.	1	7
	2	16
Chemical stores. Transport and Storage.	8	78
Conveyance of explosives.	23	361
Electrically operated types of ammunition - Effect of radio transmitters on. Precautions.	25	434
Explosives Category for Safety Distances	4	33
Floors for buildings containing explosives	34	759
Grenades, S.I.P., Storage.	18	213
Heating of A.D.G.B. magazines.	1	6
3" Mortar bombs. Storage	32	639

STORAGE AND TRANSPORT OF AMMUNITION (Contd.)

Projector, 3-in. Storage of Ammunition.	17	193
	18	232
	25	426
Railway vehicles. Loading of	31	617
Safety distances	1	5
	16	176
Sea conveyance of ammunition. Changes in stowage details	36	862
Security of vehicles containing explosives.	23	352
Smoke Weapons. Classification of certain stores for transport and storage.	31	622
	32	664
Stacking of ammunition.	2	11
Steel ammunition boxes. Transport and stacking	4	34
	5	43
Transport. Use of net slings forbidden	27	474

TABLES OF AMMUNITION

A. A. (complete rounds)	1	1
Bombs, aircraft,		
A.S., A.P., R.L.	11	107
Chemical	6	50
F. and G.P.	8	72
Incendiary.	6	51
	14	147
S.A.P.	9	82
Cartridges, B.L. and Q.F. to Land Service designs for Naval equipments in Land Service.	34	791
Cartridges		
Q.F.		
2-pr.	32	679
6-pr. 7-cwt.	32	680
17-pr.	32	681
25-pr.	34	794
40 mm.	33	733
75 mm. (British Armn.)	29	552
4.5-in. Gun.	33	734
B.L.		
4.5-in. Gun	38	947
5.5-in. Gun.	38	948
7.2-in. How.	34	793
	35	810
Coast Artillery		
Weights and dimensions of B.L. ammunition	20	275
" " " " Q.F. (separate) ammunition	20	276
" " " " Q.F. (fixed) ammunition.	20	277
Field Army (Q.F. complete rounds)	2	9
Fuzes, and equipments with which used	19	269
Heavy and Super Heavy Artillery. B.L. cartridges. Weights, dimensions and packages.	21	312
Heavy and Super Heavy Artillery. Projectiles, Weights and dimensions.	21	313
Medium Artillery (B.L.)	3	17
3" and 2" Mortar.	4	25
2" Mortar, Signal and Illum.	14	149
Naval guns for Coast Artillery. Ammunition.	20	274
	23	351
	29	529
	29	530
Pyrotechnic stores. Various	10	93

Cylinders Ctges Crating during transit.	40	997
Storage of Ammunition.	40	994
Empty Shell in Transit - Use of Washers.	42	1112

BL.

6-in 26 cwt Howr.	40	1019
60-pr Gun.	40	1018
7.2-in Howr Revised Nominal Charge Weight.	40	1000
Weight Marking on Filled Shell.	41	1041
Ammunition - BL 6 in Howitzer Mk.1 - obsolete	49	1419
" - BL 6 in Gun Mk.19 - obsolete	49	1439
" - BL 12 in How. BL 9.2-in How. and	49	1436
BL 9.2-in Gun Mk.13. 13+ and 13A obsolete		
" - SB 3-inch Gun - obsolete	49	1437

TABLES

Shot and Shell, AP and Practice types.	45	1245
--	----	------

TRACERS

Tracer and Igniter No. 14 6-pr 7 cwt AP Shot.	42	1102
Shell Nos. 21 and 22 - Method of Sealing.	43	1129
Igniter No. 11 and 14 - Method of Closing.	44	1192
Shell No. 21 and 22 - Time of burning.	44	1191
No. 24 Mk. 1 and 26 Mk. 1.	44	1181
Shell No. 13 Mk. 4	45	1241
Tracer and Igniter, Shell No. 14 Mk. 2B and 2E.	48	1367

TABLES OF AMMUNITION (Contd.)

S.A.A. (.303" "W", "G" and "O")	4	27
S.A.A. (other than .303")	4	29
Shell, Q.F. 25-pr.	34	794
Tank ammunition	5	39
	25	430

TRACERS

Nos. 1 to 15	32	650
No.8 Mk.I (Naval) for Coast Artillery	29	539
Nos. 13, 14 and 15. Details.	31	618
Nos. 10 to 15. Bodies to be made from V.I.B. steel	36	847
Integral type filled to ID/L/14187	30	590
Self destroying. Marking of Q.F. 40 mm. rounds fitted with	32	659

TUBES

Heavy and Super Heavy equipments. Tubes used	21	303
List of, for guns and howitzers. Details and uses	35	835
Methods of filling. Use of G.7 gunpowder as alternative to solid pellets.	23	368
Naval, for 15-in., 8-in. and 7.5-in. guns in Coast Artillery	29	529
Percussion, S.A. Mks.III and IV.	20	294
Percussion, S.A. Stabbing to prevent gas seal moving forward.	32	641
War time concessions to facilitate supply, etc.	28	514

(B) AMERICAN AMMUNITION

	Bulletin	
	No.	Item
American terms used in connection with ammunition and British equivalents.	27	467
	30	569
<u>B.L. Ammn.</u>		
<u>155 mm. Gun.</u>		
Shell, H.E. M101 and details of complete round	27	468
<u>155 mm. How.</u>		
Shell, H.E. M.107 and details of complete round.	27	472
Cartridge, B.L. 6-in. How. N.H.025 of American manufacture. Certain lots marked with incorrect code letter.	25	412
<u>CARTRIDGES, Q.F.</u>		
<u>37 mm. Gun.</u>		
Shot, A.P. M.51 for A.Tk. gun M3.		
Details	18	224
Lot 1 N.F. and 2 N.F. to be practice ammunition.	25	447
Modifications to packing	26	446
Use extended to include M5 and M6 guns	34	771
Shot, S.A.P. M74 for guns M3, M5 and M6		
Details	25	445
Packing	34	768
<u>40 mm. Gun</u>		
Markings on ammunition manufactured in U.S.A.	24	396
	27	484
<u>75 mm. Gun.</u>		
H.E., M48. Details	24	391
Shot, A.P. M61		
Details	19	250
Nomenclature altered to "Shot, A.P.C. M61"	30	575
Modification to packing	38	935
<u>75 mm. How.</u>		
H.E.A.T. M66 for M1 and M1A1 How. Details	31	606
<u>76 mm. Gun.</u>		
H.E. M42A1 for M1 gun. Details	31	607
Shot, A.P.C. 3-in. M62 for M1 gun. Details.	33	686
Smoke, 3-in. M88. Details.	33	689
<u>90 mm. Gun.</u>		
<u>H.E.</u>		
M.58 for M1 gun. Details	24	394
M.71 " " " Details	34	786
Box, packing 90 mm. gun ammn.	34	777
<u>Case, Cartridge</u>		
M5A1 and M5A1B1 (75 mm. How)	31	606
M16 (37 mm.)	18	224
M18 (75 mm. gun)	13	137
M19 (90 mm. gun)	24	394
M26 (76 mm. gun)	31	603
<u>CARTRIDGES, IGNITION (MORTAR)</u>		
M3	28	439
M5	28	495

FUZES

Base, Detonating		
M62	31	606
Point, Detonating		
M46	23	399
M48	24	393
M51	27	474
M52	28	500
M53	31	602
T18E2	29	525
New nomenclature "P.D.M57"	31	609
Time, Mechanical		
M43A1	24	395
M43A3		
Difference from 43A1 not available	34	786
Time and Super quick		
M54	29	511
M1 for Mine, Contact, A.Tk. M1.		
Precautions in handling	30	578

GRENADES

Hand		
Fragmentation, Mk.II	31	604
Offensive, Mk.IIIA1	31	605
Rifle, A.Tk.		
M9A1	31	599
Practice, M11A1	31	600

INCREMENTIS, PROPELLANT (MORTAR)

M1	28	491
	34	770
M2	28	498
M3	28	495

MARKINGS

Fuzes, P.D.	27	477
Projectiles	27	476
Q.F. Amm. The Ammunition Lot	26	450

MINES

Anti-tank		
Dutch	31	601
Contact, Anti-tank		
M1	30	577
Replacement of Fuze M1 by Fuze M1A1 and Booster M1A1	31	608

MORTAR AMMUNITION

60 mm. M1 and M2		
H.E. complete round with Shell, M49A2	28	491
Practice, complete round with Shell, practice, M50A2	28	492

MORTAR AMMUNITION (Contd.)

81 mm. M1 and 3-in. Mk.IA2.

H.E.

Complete round with Shell, M43A1	28	497
" " " Shell, M56	28	498
Smoke, complete round with Shell, M57	28	499
	34	769

NOMENCLATURE

Gun ammunition manufactured in Canada.	30	561
--	----	-----

PRIMERS, PERCUSSION

M1B1A2	31	606
M22A1	24	391
M23	18	224
M28A1	24	394
M28A2	31	603
M31	19	250
M32 (Mortar)	28	495
	34	776
21 Grain, Mk.IIA1	27	469

S.A.A.

Base marking	21	318
Steel cases	38	930

(C) ENEMY AMMUNITION

<u>Bulletin</u>		<u>Detail</u>
<u>Number</u>	<u>Item</u>	
(1) <u>GENERAL INFORMATION</u>		
4	32 }	Information to be forwarded immediately to C.I.A.
5	49 }	
11	114 }	
4	31 }	Disposal of enemy ammunition.
10	103 }	
10	105	Mines and booby traps.
<u>GERMAN</u>		
(2) <u>AIRCRAFT BOMBS</u>		
8	80 }	1 Kg. Incendiary.
13	141 }	
15	169 }	1 Kg. Incendiary with H.E. bursting charge
17	209 }	
20	299 }	
15	167	4 lb. Anti-personnel.
19	270	2 Kg. Anti-personnel S.D.2 (Butterfly bomb)
5	44 }	50 kg. and above H.E. bomb with electric fuze EL.A2.C.50 or with booby trap.
7	65 }	
11	113 }	
14	151	110 Kg. Incendiary.
11	113	250 Kg. H.E.
5	44	Anti-personnel H.E.
15	174 }	Anti withdrawal device for fuze ZUS 40.
17	200 }	
15	153	Container for 1 Kg. Incendiary bombs.
5	46	Exploders.
5	47	Fuzes.
13	138 }	Fuze Electric (Rheinmetall) for bombs and parachute flares.
14	156 }	
16	192 }	
5	44	Gas.
5	44	H.E., G.P. or General Bombardment.
5	44	Incendiary.
5	45 }	Markings on bombs.
15	170 }	
14	155	Particulars of various bombs -
		(a) Incendiary
		(b) Gas
		(c) Anti personnel.
		(d) General bombardment
		(e) Anti Ship.
5	48 }	Unexploded bombs - General information.
5	49 }	
5	60 }	
6	60 }	
13	139 }	Method of determining whether bombs dropped from high altitude have exploded.
15	171 }	

Bulletin		Details
Number	Item	
<u>(3) DEMOLITION STORES</u>		
36	884	Hollow charge 3 Kg. magnetic.
29	556	Hollow charge 12.5 Kg. and 50 Kg.
36	883	Hollow charge 13.5 Kg.
<u>(4) GRENADES</u>		
31	631	Rifle Hollow charge (7.92 mm.)
39	987	
39	988	Rifle Hollow charge Large (7.92 mm) and (7.92/13 mm.)
31	632	Rifle and Hand, self destroying (7.92 mm.)
28	521	Hand H.E. (Egg shape).
28	522	Hand H.E. (Stick type).
12	122	Identification markings.
<u>(5) MINES AND APPURTANENCES</u>		
15	166	Magnetic Sea mines used as bombs.
10	105	Mines and traps.
33	740	Pull igniter Z.Z.35.
38	950	Shrapnel Mine 35 (S.Mi.35)
38	951	-do- Fuze S.Mi.Z.35.
33	738	Tellermine 35
36	882	
33	739	-do- Fuze T.Mi.Z.35.
36	882	
34	801	Tellermine 42
36	881	-do- Fuze T.Mi.Z.42.
<u>(6) MORTAR BOMBS</u>		
24	408	5 cm. H.E. (Wurfgrarate 36)
32	673	8 cm. H.E. (Wurfgrarate 34)
12	122	Identification markings.
<u>(7) PYROTECHNICS</u>		
18	242	Flare jacket.
12	122	Identification markings.
12	123	Signal equipment recovered from aircraft.
<u>(8) SMALL ARM AMMUNITION</u>		
8	79	7.92 mm. types - Characteristics and markings.
25	436	7.92 mm. Pz.B.38/39. AF/Lachrymatory Cartridge.
27	491	13 mm. to 30 mm. Weapons - Colour markings.
13	140	20 mm. Aircraft Hy.H.G. shell with fuze AZ.1502 or EK.Zdr.C/30.
39	984	2.7 cm. Pistol H.E. Cartridge.
39	985	2.7 cm. Pistol Signal Cartridge.

DEMOLITION STORES

Push Igniter D235.	43	1159
--------------------	----	------

GRENADES

Hollow Charge A/T Hand Grenade (Panzer Wurfmine(L))	45	1253
3 cm Rifle Smoke Grenade	47	1341
46 mm Hollow Charge rifle Grenade	47	1342
61 mm " " " "	47	1343
3 cm. Rifle Illuminating Grenade (Gewehr Fallschirmleuchtgranate) (Fig.592)	49	1445
Hollow Charge sticky anti-tank grenade (Panzerhandmine-S.S.) (Figs. 593 and 594)	49	1446

MINES

Light A/Tank Mine (I.Pz.M)		
Anti-Personnel "Pot" Mine A200 (Fig. 584)	48	1395
Anti-Tank mine (Riegelmine 43) (Fig.602)	50	1479

Tellermine (Mushroom) 43	40	1020
--------------------------	----	------

Pull Igniter 42 (Z.Z.42) (Fig.603)	50	1480
------------------------------------	----	------

MORTAR BOMBS

8 cm ML Bomb 38	40	1030
8 cm ML Bomb 39	40	1031
10 cm Nb HE Bomb	40	1032
5 cm Mortar Ctges 39	41	1074
5 cm Mortar HE Bomb	41	1075
20 cm Light Spigot Mortar HE Bomb	42	1124
Hollow Charge Bomb w/Projector	43	1164
8 cm HE Bomb 38 and 39 umg	43	1166
Hollow Charge A/T Bomb with Projector	47	1344
" " " " " " (Panza 60mm)	48	1391

PYROTECHNICS

7.3 Propaganda Rockets	44	1215
15 cm HE Rocket (15 cm Wgr 41 Spr)	44	1216
21 cm HE BC Rocket	44	1217
30 cm HE Rocket	44	1218

SHELL AND CARTRIDGES (Contd)

10.5 cm le FH. 18 M. Shell HE S/L (Gr F) (Fig. 612)	50	1489
10.5 cm le FH. 18 M. Ctge QF for "gr F" Shell (Fig. 613)	50	1490
10.5 cm Geb H. 40 Coloured smoke HE Shell (F.H.Gr Buntr) (Fig. 614)	50	1491
2.7 cm Pistol smoke Ctge (Nebelpatrone Für Kampfpistole) (Fig. 619)	50	1495
2.7 cm Pistol Coloured Smoke Ctge (Deutpatrone für Kampfpistole) (Fig. 620)	50	1496
3.7 cm Pak K (Casement Gun) Cartridge Q.F.A.P./T (Fig. 624).	51	1513
7.5 cm Kw.K. 42 & Stu.K. 42, Cartridge QF HE (Fig. 625). (7.5 cm Kw.K. u. Stu.K. 42 Sprgr. Patr.)	51	1514
7.5 cm le F.H. 18 Cartridge QF HE Hollow charge (Fig. 626)	51.	1515
7.5 cm le J.G. 18 Cartridge QF HE Hollow Charge (Fig. 627) (Jgr. 38.H1/A.)	51.	1516
8.8 cm Kw.K. 43 Cartridge QF.A.P.C.B.C./T. (Figs 628 & 629) (8.8 cm Pzgr. Patr. 39-1).	51	1517
8.8 cm Kw.K. 43 Cartridge QF A.P.C.B.C./T. (Figs. 630 & 631). (8.8 cm Pzgr. Patr. 39/43).	51	1518
8.8 cm Kw. K. 43 Cartridge QF HE (8.8 cm Sprgr. Patr. 43).	51	1519
10.5 cm Flak 38 Cartridge Q.F. HE (Grooved Shell) (Figs. 632 & 633).	51	1520
12.8 cm Gerat 40, Cartridge QF. A.P.C./T. (Figs 634 & 635).	51	1521
2.7 cm Pistol H.E. Cartridge (Fig. 636). (Sprenggranate-Patrone K.P.)	51	1511

SAA

2.6 cm Pistol HE Cart. with delay pull igniter	48	1392
--	----	------

SHELL AND CARTRIDGES

3.7 cm PK Ctges QF HE/T	40	1028
3.7 cm PAK, Hollow Charge Muzzle, stick bomb.	40	1029
Fuze 3.7 cm Kpf Z.Zerl.P. (Fig. 452)	42	1125
4.7 cm PAK(T) and K36 Ctges QF HE	41	1083
" " " " " " " " APC	41	1084
4 cm Ctge QF HE (Bofor Type)	43	1165
7.5 cm PAK 40 Ctge QF Hollow Charge fuze AZ 38	45	1246
7.5 cm PAK 41 Ctge QF APBC/T Shot (PATR PZGR 41 HK)	45	1247
7.5 cm PAK 40 ctge QF Hollow charge shell	47	1327
7.5 cm GEB K.15 QF Ctge	47	1328
7.5 cm GEB K.15 HE Shell	47	1329
7.5 cm LE F.K.18 QF Ctge	47	1330
7.5 cm LE F.K.18 APCBC/T shell	47	1331
7.5 cm PAK 41 ctge QF APBC/T Shot (PATR PZGR 41 W)	45	1248
7.62 cm PAK 36 ctge QF APBC/T Shot (PZGR 40)	45	1249
" " " " " " " " " " (" 39)	45	1250
8.8 cm FLAK 41 ctge QF HE	47	1332
8.8 cm A/T Hollow Chg rocket projectile	43	1175
8.8 cm FLAK 18 and 36 Ctge QF APCBC	43	1167
8.8 cm FLAK 18 and 36 Ctge QF HE	43	1170
8.8 cm FLAK 41 Ctge APCBC/T	43	1169
8.8 cm FLAK 41 Ctge QF HE	43	1170
8.8 cm FLAK Star Shell	46	1287
8.8 cm A/T Hollow Charge Rocket Projectile		
(8.8 cm Raketen, Panzerbusche Granate 4312)	47	1339
8.6 cm AA "Wire barrage Rocket"	47	1340
8.6 cm Kw K43 Cart QF Hollow Charge with Tracer		
(8.8 cm Gr Patr 39 H1 KW K43) Fig. 574	48	1389
8.6 cm Rocket HE Projectile Figs 581, 582.	48	1393
8.6 cm Rocket Star Projectile " 583.	48	1394
10 cm 1 FH 18 Hollow Charge H1/A, H1/B, H1/C	46	1288
10 cm K.18 and lg 10 cm KT HE Shell	41	1076
10.5 cm 1 FH 18 HE Cast Steel Shell	41	1085
12.8 cm FLAK 40 Ctge QF HE Fzd ZT ZS/30	43	1171
15 cm (Naval) AP BC Shell	43	1172
" " " HE BC "	43	1173
" " " Separate QF Ctge	43	1174
17 cm K. MRS LNF QF Ctges	41	1086
5 cm FLAK 41 Ctge QF HE/T (5 cm Spgr Gr 41 L'Spur)		
(Fig. 589)	49	1442
3.7-cm Flak 18 Ctge QF HE/T (Fig. 604)	50	1481
3.7-cm Flak 18 Ctge QF HE/T (Fig. 605)	50	1482
3.7-cm (Naval) Ctge QF HE/T (Fig. 607)	50	1484
7.5-cm KwK.40 & Stu.K.40 Ctge QF Hollow Charge		
(Gr 28 H1/C) (Fig. 600)	50	1486

Bulletin		Detail
Number	Item	
		(8) SMALL ARM AMMUNITION - CONTD.
39	986	2.8 cm. Pz.B.41. H.E. Cartridge.
23	376	2.8 cm. Pz.B.41 (28/20 mm. (11.6. Core) Cartridge.
11	113	Fuze A.Z.1501.
12	122	Identification markings.
15	172	Table of Small Arm Ammunition.
10	104	Types of S.A.A. and packages.
		(9) GUN AND HOWITZER AMMUNITION
31	634	Nomenclature, abbreviations, stencilling, stampings, etc.
38	949	
		(a) SHELL AND CARTRIDGES
36	886	3.7 cm. Cartridge Q.F. A.P.C. with fuze BZ.15 (Czech origin)
23	378	3.7 cm. Pak. Cartridge Q.F. A.P.C. Shot. (Pzgr.40) with T.C.Core
31	633	-do- Cartridge Q.F. A.P.C. with fuze AZ.39 or 3.7 cm. Kpf. Z.Zerl.P.
25	435	4.7 cm. Pak. AP/T. Shell.
26	462	-do- APBC/AI. Shot (Pzgr. 40) with T.C. Core.
26	461	-do- H.E. Shell with fuze O.H.Z.R.
26	460	5 cm. Pak 38 Cartridge Q.F. H.E. with fuze AZ.39.
25	435	-do- and KwK. AP/T. Shell with fuze Bd.Z.5103 ^x
34	796	7.5 cm. L.I.G.18 (or Jgr.18) H.E. shell with fuze L.I.gr.Z.23 na.
34	797	-do- H.E./AI. Shell with fuze L.I. gr. Z.23.na.
33	745	7.5 cm. L.G.40 Q.F. Cartridges
38	954	
33	746	-do- Hollow Charge Shell (Gr.38 HL/B) with Fuze A.Z.38.
		7.5 cm. KwK. and Stu.G.7.5 cm. T.C.
34	798	Cartridge Q.F. Hollow Charge (Gr.38) with Fuze A.Z.38.
26	464	Cartridge Q.F. H.E. with fuze KL.A.Z.38.
25	435	A.P.C.B.C./T. with fuze Bd.Z.f.7.5 cm. Pzgr.
26	463	Smoke shell with fuze KL.A.Z.38.Nb.
30	593	7.62 cm. Cartridge L.G. A.P.C. Shot (Pzgr.40) with T.C.Core.
17	211	8 cm. L.K., M.30 H.E. Shell with Fuze O.H.Z.R. (Czech origin).
36	885	10 cm. K.18 (10.5 cm. calibre) Q.F. Cartridge.
7	66	10 cm. H.E. Shell with fuze L.I.G.23 (0.25)
27	492	10 cm. H.E. Shell.
39	991	10.5 cm. (Naval) Cartridge Q.F. H.E. with Fuze EK.Z.C/28.
39	993	-do- H.E. with incendiary unit.
38	955	10.5 L.G.40 (or L.G.2) Q.F. Cartridge.
33	747	15 cm. s.F.H.18 Q.F. Cartridge.

Bulletin		Details
Number	Item	
(9) GUN AND HOWITZER AMMUNITION - Contd.		
33	748	15 cm. s.F.H. 18 Anti concrete shell (Gr.19 Be) with fuze Bd.Z.f.15 cm. Gr.19 Be.
34	799	21 cm. Mra.18 s.F. Cartridge.
34	800	-do- Anti concrete shell (Gr.18 Be) with fuze Bd. Z.f.21 cm. Gr.21 Be.
(b) FUZES		
<u>Nose.</u>		
12	124	A.Z.23. (0.8) umg.
7	67	A.Z.23 (0.25)
26	464	Kl A.Z.23.
26	463	Kl.A.Z.23 Nb.
7	67	1 I.gr. Z 23na (1.Jgr.Z 23na)
34	796	
39	992	EK.Z.6/28.
33	741	A.Z.38.
32	673	Wgr.Z.38 (H.E. Mortar bomb)
24	408	
26	460	A.Z.39.
39	990	A.Z.5072
26	461	C.H.Z.R. Skoda.
17	211	
31	633	Kpf.Z. Zerl P (3.7 cm.)
33	742	Zt.Z.S/30.
33	743	Zt.Z.S/30 Fg ¹ .
38	952	Dopp.Z.S/60.s
38	953	Dopp.Z.S/60 Fl.
24	407	Dopp.Z.S/90
<u>Base.</u>		
25	435	Bd.Z.5103 ^x .
36	886	Bd.Z.15 for 3.7 cm. (Czech origin)
25	435	Bd.Z f 7.5 cm Pzgr.
35	838	Bd.Z.f. 15 cm. Gr. 19 Be.
35	839	Bd.Z.f. 21 cm. Gr. 18 Be.
23	377	m.V.u.K.
(c) <u>GAINES</u>		
32	669	Zdlg. A.
32	669	Zdlg. B.
39	989	Kl.Zdlg.34 Np.
33	744	Zdlg. 40

Smoke Box for HE Shell No. 8	40	1025
" " " " " No. 9	40	1026
Smoke Box No. 11 for HE Shell (RII)	41	1077

FUZES

AZ 23 (0.15) (PR) with plastic body	47	1333
Percn AZ 49	47	1334
Fuzes Electric for ignition of 28 cm and 32 cm rockets	47	1337
AZ 23 umg m 2V KG (571)	48	1386
ZTZ S/30 KURZ Fig. 573	48	1388
3.7 cm KZ 40 Fig. 572	48	1387
5 cm Kopf Z.2.Zerl P (Figs.587 and 588)(Over page)	49	1441

Nose.

1.I. gr. Z. 23 NA (Fig. 401)	40	1021
AZ.1.	46	1280
A.Z. 5075 (Fig. 402)	40	1022
A.Z. 35K (Fig. 413)	40	1035
A.Z. 23 (V.0.15)	41	1080
KL AZ 23 NB (PREBSTOFF) Plastic	41	1079
AZ 2492 for rifle spigot Grenade	41	1078
KL AZ 23 Fig. 442	42	1116
AZ 23/28 U. (0.1) (Fig. 444)	42	1118
AZ 23 umg 0.15 (Fig. 443)	42	1117
AZ Wgr Z.36 (Fig. 446)	42	1120
AZ 23/42 V (0.15) Fig. 445	42	1119
KZ 38 W/Gaine	43	1162
AZ 5095	43	1176
1 I.gr. Z.23 NA in 21 cm HE Rocket	43	1177
FP. 28001	44	1208
AZ.5095	44	1209
BDLE JGR Z.23 NA	44	1211
Hb gr. Z.35 K.	44	1212
Wgr Z.50	44	1213
" " and Type A.	45	1255
Wgr Z.T.	46	1281
" Z.38c	46	1282
KZ c/27 (IM)	46	1283
Dopp.Z.S./90 K (Fig. 447)	42	1121
Dopp.Z.S./90/45 Fig. 414, 415, 416	40	1036
AZ.38St (Fig.617) (Over page)	50	1493

Base.

BD Z.5130 (Fig. 403)	40	1023
Skoda BZ.15 for 3.7 cm APC Shell	41	1081
" " " 4.7 cm " "	41	1082
BD Z.5127 W/Tracer	43	1163
BD Z.DOV	44	1201
27/34 WZ.36 (Polish Origin)	46	1284
c/38	46	1285

FUZES (Contd)

3.7 cm.Kpf Z. Zerl. P.v.(Figs 615 and 616)

50 1492

Nose.

Wgr Z (r) from 12 cm. Mortar Bomb (Fig.618)

50 1494

GAINES

34 W/delay (KL, ZDLG.34 NP MV)	40	1024
Model 40B	43	1160
" 41	43	1161

PRIMERS

Electric C/23 (Fig 449)	42	1123
Peren QF Ctge C/43 St. and C/113 (Fig. 545)	47	1336
Peren C/32 St. (Fig. 591)	49	1444

ROCKETS

32 cm Incendiary Rocket (Wurfcorper M51, 50)	45	1254
--	----	------

TRACERS

Tracer from 7.62 PAK 36 APBC/T (Pzgr. 39)	45	1251
" " " " " Shot (Pzgr. 40)	45	1252
" No. 5	47	1335
" for 8.8 cm Hollow Charge shell (Fig. 575)	48	1390
" for 5 cm. FLAK 41 H.E./T. Shell (Fig. 590)	49	1443
" from 3.7 cm Flak18, HE/I/T Shell (Fig.606)	50	1483
" " 3.7 cm (Naval) HE/T Shell (Fig.608)	50	1485
" " 7.5 cm Pak 40, APBC/T Shot (Fig.611)	50	1488

Bulletin		Detail
Number	Item	
32	669	Gr.Zalg. C/98.
34	796	Gr.Zalg. C/98 Np. (Also Bulletins 26/464 and 32/673)
32	669	Kz.Zalg. C/98. (Also Bulletin 26/463).
25	435	with Bd.Zalg. (5 cm. APC)
(d) <u>PRIMERS.</u>		
26	464	Electric C/22.
26	460	Percussion C/12.
32	671	" C/13nA.
32	672	" C/33
36	887	" V.Z./33 (Czech origin)
33	745	" C/113.
(e) <u>TRACERS</u>		
32	670	For base fuzes.
<u>ITALIAN</u>		
<u>10. AIRCRAFT BOMBS</u>		
17	210	1.75 Kg. and 4 Kg. H.E. Anti personnel (Spezzone type)
19	271	4.5 Kg. H.E. 4 AR (Manzoline Thermos type)
14	152	250 Kg. H.E.
21	322	Chemical - Weights and Markings.
15	173	{ H.E., Incendiary and Gas, also Fuzes - General details.
17	212	
16	191	Fuze for destruction of abandoned aircraft.
<u>11. GRENADES</u>		
34	803	Hand Grenade H.E. SRCH. Model 35.
26	465	" " H.E. Breda Model 35.
38	956	" " H.E. O.T.O. Model 35.
<u>12. MORTAR BOMBS</u>		
22	347	45 m.m. Brixia H.E. Bomb Model 35.
<u>13. SMALL ARM AMMUNITION</u>		
18	241	7.7 m.m. Breda A.F./1. Blue tipped bullet.
18	241	-do- Green " "
18	241	12.7 m.m. Breda A.P./1/T. bullet.
18	241	-do- 1/T. bullet.
14	153	General notes on S.A.A. from aircraft.
16	107	

Bulletin.		Detail
Number	Item	
14 GUN AND HOWITZER AMMUNITION		
(a) <u>CARTRIDGES AND SHELL</u>		
16	186	65/17 m.m. Cartridge Q.F. H.E. with fuze.
16	189	" Cartridge A.P.B.C. with base fuze.
37	919	75/13/27 m.m. } Fillings, exploder systems etc. 75/27 m.m. } fuzes and gaines.
34	802	75/27 m.m. Hollow charge H.E. shell.
36	888	75/27 m.m. Cartridge Q.F. H.E. (Fragmentation) shell with time fuze graduated to 59.
37	919	75/46 mm. Filling, exploder system etc. fuzes and gaines.
37	918	77 m.m. } Exploder system, fuzes, gaines and 77/28 m.m. } propellant charge markings.
16	190	77/28 Q.F. Cartridge and H.E. shell.
30	594	100/17 m.m. Hollow charge H.E. shell with internal base fuze.
35	842	149/13 m.m. H.E. Shell with Inneschi type fuze.
16	188	Chemical Shell markings.
14	154	Notes on Propellants, H.E. fillings and shell markings.
32	666	} Shell markings - Basic colours, stencilling and bands. } }
37	918	
37	919	
(b) <u>FUZES</u>		
<u>Nose.</u>		
22	348	Percussion, Model 16.
35	842	-do- Inneschi type, for 149/13 shell.
16	186	-do- for 65/17 H.E. shell.
35	843	Time, Graduated to 59.
<u>Base.</u>		
16	189	Percussion for 65/17 A.P.B.C. shell.
30	594	-do- (Internal) for 100/17 Hollow Charge shell.
(c) <u>GAINES</u>		
32	668	For H.E. and Piercing shell.
35	842	149/13 H.E. Shell.
(d) <u>PRIMERS</u>		
32	667	Percussion Model 35.
35	840	" " 908.
35	841	" " 930.

JAPANESE

Smoke Grenade for use with Discharger type 89 (Fig. 557)	47	1345
4 cm Hollow Charge rifle grenade	47	1346
A/T Mine Type 93	48	1396

Bulletin		Detail
Number	Item	
<u>JAPANESE</u>		
<u>15 GRENADES</u>		
32	675	50 m.m. H.E. Mortar and Hand, Type 97.
32	676	H.E. Stick.
32	674	H.E. Hand Type 91.
<u>16 MORTAR BOMBS</u>		
30	595 n	50 m.m. H.E. round with fuze.
32	675	50 m.m. H.E. Mortar and Hand.
<u>17 GUN AMMUNITION</u>		
32	677	70 mm. H.E. shell.
32	678	75 mm. H.E. shell.
26	466	D.A. Nose Fuze.

R.4078

